

Table 2

GAAGCAGAGATACAGGANATAGGGAAGGGAAGCTGGAAGCAGANGTCACTGGAGGGAGAG
GGAGATGGACACATTTCAGGGCNTACAAAGCAAGTTCTATGTGATTTTGCTCACTNTCTCA
ATTGTGGGGGACCCCTNTNAAAATGTTGTACNCTGCCCGGGGCCGCGCTCTANGAAC
TAGTTGGAATCCCCCGGGGCTTGCCATGGGAATTCNGATAATCCAAGCCTTATTCGATA
CCCGTCGACCCCTCCGAGGGGGGGGGCCCCCGGNTCCCCAACCTTTNTGTTTCCCTTTTA
AGTGGAGGGGTAAATTGGCGCCGCTTGGGCGTTAAATCNATGGGTCCATAAGNCTGGT
TTCCCTGGTGGTGGAAAAATTTGGTTTNTATCCCGNTTCACCAAATTTCCCCCGNCAANC
AATTAACCGAAGCCCCGGNGGANCCATTAAANANGNGGTCAAAANGCCCTGG

Sequence 1538

AGGTACAGACTTGCCAATCTCTGTCCCATAGCATATGCTGAAAAAGCTCTGAATCGGGGA
TTCAGCTCCACTCAGCCACAGTCTTACAGAAATCCTGCACAGAAATCCTCCTGTAGTCAG
GAGATACATCCTTCTGTGTCTCAGGACAGGCAGGCAGATTTTCAGTCCACAGCAGGTCC
TGAAACAACCCCTGAATCTTGGCATAAGCCCCCTCTCAGCTGTGGTCAGAGAGCAGTTCTGC
CTACCCAGCATCTGGAGGGAGATGGGGCTGTCCATAGCCCTGCAAACAGGCCACCTGAC
CTAGGTCCCTCATCAGTCCCTGAAACACCCCTGAAAAGTGGCTCCAGCCCCCTCTCAATAC
AGCAGGCCCGCTAACTTAAGGACCTGAAGGGAGACATGCAGGTTTGTGACACCTTAGGCC
TGAAGACCTAAGTCTTACTGTAGGCCCTGAAGCAACCCTGTAGCTTAGTTCAGCCCCA
CTCAGCTGTGGACTAGGGCAGTACCTGCCCGGGCCGGCCGCTCGAGTCGCGCCCCACAGCT
GGAAGG

Sequence 1539

AGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATCATCAGGCTTGGCTTGGAAATTAC
ATACTTTTTCCCACCATTTCTTTGATAATCAACGTAGGGACTCCATCTACTTCCATGA
TGTTAAACAGTCTTGGCTTTTTTCCATCGTGGGAGCGTTTTTCTCAATCTTCGCCATTG
GGAATCTGGTATCTCAGGCAGCAGAGGAAGCAGCTTGCTGCCTTTAGTCAAACCTGCTTCC
TGAAACCCAGAGCCAGGTCCAGCTCCAGGACACTGTGCAAGCAAGAGCACAGCAGGTCC
CCCGCGCACC

Sequence 1540

TATCCACAGAATCAGNGGGGATAACGCAAGGAANGAACATTGTGAAGCAGAAAGGCCCAN
CTANANGGCNCAGGGAACCCGTNAATAAAGGCCCGCGTTGCTTGGCCGTTTTTCCATT
AGGGCTCCCGCCCCCTGNCGAGNCATTCAACAAAANAATCGACGGCTCAAAGTTCAAG
NAAGGNTGGGCCGANAACCCCGGNCNNGGACTTATTNAAATTATACCCAGGGCGGTTT
TCCCCCTTGGGGAANGCTTCCCTNCGGTGGCCGCTTCCCTGTTTCCCGAACCCCTT
GCCCGNCTTTACCCCGGGAATACCCCTTGTCGCCGNCCTTTTTNTCCCNTTTCCGGGA
AAGCCGTTGGGCGNCTTTTTCTTNAATAAGCCTTCAACGGCCTTGTTNANGGTAATTCTN
TCCANGNTTCNNGTTGGTTNAGGNNNACGGAATCNGCCTTCCAAAANACCTGGGGGGCT
TCGNTGNTGCCACCGAAAACCC

Sequence 1541

TCCACCGCGGTGGCGGCCGAGGTAAGAAACCCAGGCCAGAGTTACTGGAGCCCTTC
CTCACAATTGGCCTTGGCTCCCTCTCCACTTGTGTGTTTTACATTGACTTGATCTTCAG
TGGAGTAACTCTGAGCAGTGGCTGTAGCTCAGCAGGTAGAAAACTCTTAACCCCTTGAA
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TTGCTTTGCCAAGGAGAAAGCCTGTGAGAGTGAAAGCAAGGTGGAAGTGGGGTCCAAAGA
GAGGGAGTAACTAGATGCCATATTAATTTGTATTTCTGGAGAATATGACTGCAGTTTAT
ATATAACTTGGTTTTAAACATTTTTGTAACCTGCTTAAGAAATTTGGGTTTGGGTGGTCCG
ATTTTCATTTGGAAGAAAAGATTAGGAAGACAGTATAGTTTTGGGGACACAAGCATGGCT
ACCTACAGGAGACAGGTCNGAAAGGAAAATAAGTGATGCAGCCAGCTGAGTACCTGCCCG

Sequence 1542

GACTAATANAANGATACCAGTGCCGTTTTCCCCCNTGGAAAGCTTTCCTCGTGGCGCTCT

Table 2

CCTNTNTCCAGACCCCTTGACGCTTACCNNGATTACNCTGTCCCGCCTTTTCTCCCTTTC
GGAGAAGCGTTGGGCGNCTTTTCTCATTAGCCTCACGCCTGNTAAGGGTAATCTCAAGTN
TCNGGATGNTAAGGTTCCGTTCCGNTTCCAAAGNNTGGGGGCNTNGTGTTGNCAACAGTA
AACCCCCCCCCGTTTTCCAAGCNCCCGNACCCGGATTGCCNGCCCCCTTTAAT

Sequence 1543

AGGTACTTTTTTTTTTTGTTTTTTTTTAAGAAAAATACCTGGAAAAGCCTTGCTTCTAA
TGTAGGAATTTTTCTTACAGTGAGATCTATGTAAGTACAATGTTTGTGGGTTTCACTT
CAGCTGCCAGGAAATTTGGTATTACATGAGCATTTCAAATAAAGCAACAGTGTATAATTT
TAAGGCCACATTAGTTTTCATTTTTCACTACTTTTGACACCCTATTCTAAATTTTTGTT
TCACTTTATCTTTTGCTTTAATTTGTGTTTTATGTAAATACTTATACAATCTTTATGG
AATGAGATGGGGCAGAATGGAGGAGTATATCCATGTAAGTGTATTTATTCCACTTTCCA
ACTATATCTTCTTTCTGTCTTAAA

Sequence 1544

TGGCTTCATAGAATGAGGGAAATGTTTATCCTTCTAAAAATATTTANTANAGNGGNCTAA
GATGAGAGTGTAAGTGAGTAACTTTCTCAATCAAATATTTTGNGATATGTTTCAGGAAT
NTCATTACATGTTNGGTTCAATTTTAAAGCATTTNTTTTTATTATTTAAACCTTTNAGC
ATTGGTGACCATCCATGTGCTGCTTTTATTGCCAGCTTAACTTGTTTTATGACATCTTC
AGGAAGAAAACTCTGNTGTCTATTTAATGGAGATGAATTGNTAACTTTTACCATTTC
AACTATACCTCTCTATGAGTCAGACTTTTATTGATCGTGTAACATAANTGAAACCCGGA
AATGAAGGAAATGTAACANGCGACCNATGTATTCTTNGTNNGCNCAAATTGCCTTTATA
AAANAGATTGATNCTCTATAATNAGCAAATGTTGTGGATTGGAAATTT

Sequence 1545

CCGCNGTGGCGGNCGAGGTACCAAAGACCTCCAGTGATGCTTATGAACATGTAGCTGCTG
TTTGAAGCTGGAAGCCCCATATCANATGCCTACCACAGAATCTGGAGTTGGGGCAGAGT
GCTGAATTGGTTCGGAGTTACCTGTCTGCTTGATACTTCAGATGCCTCCTTTCTCAGATG
GCATTGCTAAGCTCTGCAAAGATCTAACTGTGAGGATGAGATAATTTAATCTTGCCCGTG
GGCTCTATCCTGGCGGAGATACCATGGGACTTGAATCCTGGGCTAAATTGTAATCTTGGG
GAAAGGCAACTATACCTNGCCCCGAGTTTGTTCCTAGGAGAGCAAAGCATAANGAAGGTCT
TTCCAANTAAAGGACCATGNCAGGCACCAAGAGGGCAGTCTTGAAANGGGAAGCCAAGG
GAAAAGGGATTTTGAGAACCTACCAANGAATTGAAANGTTGGTAAGGAATAATTAATAA
GTCCACAAGGCAAAGNAGTTNCCTGGCCCCCGGGCCGGCCCGCTTCTTAGAACTTAGN
TGGGAATCCCCCCCCGGGGCTTGNCAAGGGGAAATTTCCNATNATTCAAAGGCCTTTTAT
TCGGATTAACCCGTTTCNGAACCTTNCAAAGGGGGGGG

Sequence 1546

ACGCGGGAGAGTGGCTGACTTGCTGATTGAGGTCCGCAGCTCCCGAGAAGCAGGAGAAGC
AGAGTTTTTGACAGACAGACCCACGAAGTCAAGCATGCGGAGTGACAGCAAGCCCTGGAAC
CCAGCCATCAGAGCAGGGGGCCACGGCCAGACCGGGTGGGGCTCTGCCTGCAGCCTCT
TCCGGCATGAAGAGTTCTAAGTCTTCAACTTCCTTGGCTTTTGAGTCCCGACTCAGCAGG
CTCAAGAGGGCCAGCAGTGAGGACACGCTCAACAAGCCAGGAAGT

Sequence 1547

ACTTTTTTTTTTTTTTAAACCATTTCAGAGAGTCTCTGGATTTCTTGATCCTTGATT
TGTGGTTTTTCATGTTGTCTGTGAGCTCCAGCAGGGCCTCATCAGCCCTGTCCGTGGTGT
GCTCCAGCTCTGTGCTCCCCGATAGGTGGCCCTGCGCTCTATGCACATCCTTCTTAACAT
AGGAAAGATGTATGCCCTTCAAAGAAAGGCATTCAAGACAGATCAGCACCAAGTGGAGGC
TCTACCCACAGATGTTAATGTGCATTAAAGAAACAGCGTACTGAGAAATCTGAGCCATCA
TTCCAGAGTCTCTCTCCTGGGGAGAAGTTTGTCTTACTGCTGGGTTTTTTTGTGGTT
TTAATTCANAATTTGGAAGTAGAATTATTTGTAATAAACCTATCAAAGCCTAGCCTAAGG
GCTGCCATCTTCTGTCAAATTTCTAGNTNGTTTATACCAGTANAAAAAAGACANTTTT
AAAGCTCTTCAAAGCTGAATCCTCCTCAATAGTAAGGGGACTGTGTGAAAAGTTTTTTT

Table 2

TATGCTGGGCTTANCCAACCCCTTTCTTTTTTCCCCAGCTTACCAGTGGAAAAAAGC
AAAACTTTTNGCCCNGANCTTTTANNACTATTTAAAAATAGANGTTTNTNATNGTN
TTNANNTNAANTGGAGGGGTTAAAAAATTGTTCTTTTTTA

Sequence 1548

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACTAGCACTTGTGAC
CAACAGCTAGTCTTGCTTTCAACAGCTAGTCTTGCTTTCCCTGATCGTAGATCCCTACTA
AAAGCTCTTGAAAGTGTGCATATGCAGGCTACCTAATGATTTAACGGAGGATCAAGATGG
TTACACTGCAGAGAAACAGGAGGGATAGGGCATATGCCCTTTGTCCAGCAAGACAGACAA
AACTAGGAACCTGAATTCTCTCTCTGGATTCTGTATCTGGAGCCAAGGCCAAGGATC
AGTTCTTCTAGAAAAGTTCCCTCCTGTGTGTGTGTGTGTAAATGTGTGTGAATGCAGTCAT
AACTTCCCTGCCAAAATTCATTGCCAAAATTTTGTGATTTGAAGCAGGCCCTTACCTGTT
AATGCAAATTTGATTCTCAAATCCTAAGAGTTTCCAAAGGTTGAGTGAAGTGAGATGAGA
CTCTTAGTTGAAGATCCAGATGCTTCACTGTTGCTATCTAGATGCTACCAAACTCCAG
CACACAAAGTATATGAAGAGAGGCTCTANGTTCATGAAATGTTAANAGTTTGAAAAATG
GGCCTTTGGGGT

Sequence 1549

AGGTACACATTTTGAGGGGTCCCACAATTGAGAGGTGAGCAAATCACATAGAAGTTGCTT
TGTAGCCCTGAATGTGTCCATCTCCCTCTCCCTCCAGTGACCTCTGCTTCCAGCTTCCCT
TCCCTATCTCCTGTATCTCTGCTTCACTTGTGCTACCTTCTCACACCACATCTTCCAGGA
TTACACTTTTATGCTACACCTGCACTGATCAGTCTTCTACTCCAGTCTTCATTTTGTCTT
CGTAAAAATGTTGAGGATGAATGCTGTTCCACTTTCCTTTCTATAGCGAGATGGCCTCC
CGCGTACCTGCCCG

Sequence 1550

AGGTACTTTTAGTGAGATGGGGTTTCACCGTGTTAGCCAGGACAGTCTCGATCTCCTGA
CCTTGATCTGCCCCGCTCGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCGT
GCCCTCTTTATTCTCAGTAATACACTCTACTCCGAGAAAAATATTGGATTTAAATTGCA
ATTGATCTGGCTAAAAATTTATCATCACTGAAATTCCTAGAATGTGAAAAAGAAGGTT
TATTTTCTGTAATGTGAGTTTCACTGTAGCCTATCAAAGCATGAGTGAATCGGAAA
TGCCTAAAATCTGAGGTTGGCAGAAATACACAACTCAAAGGACATGCAATCACATAAA
CAGAACTACTTTATCTTGACAGCATCCAGGCTGCCTCCATACAAATGTAGCTTCATGTTG
GTGGCTAGTCCGCATTGCATTTTACAGATAGAAAGAAGAAATTCAGAAAGGGAAAAACA
TTGGCATTGTTTACAGTAACTCTTACCTCGCCTTTAAAAAGACATTGTGCATGCTT
TACATGATACAGCCAATTTCAAAGGACTTATTCTGGA

Sequence 1551

ACGCGGGGTGAAGAAGAGTATTCCTTCTCTGAGAAGTACACTTGAAAAATCCTGTAA
CTTAGCGTANACTACCAGTTATTGACTTCCAACATTTACTCTGCTTCTCTTTTCTAAA
ATTGATAAAGTCCAAACCTCTCTTGTTGGATTTGAAATTACTATGTTTTTGGCCNGGC
GCGGTGGCTCACGCCTGTAATCCCAGCACTTTTGGAGGCTGAGGCGGGCAGATCATGAG
GTTTAGGGAAATCNAGTACCATCCTGGNTAACATTGGTGAAACCCCATCTNCTACTAAAA
ATACAAAAANATTTAGCCAGGCCGTGGTTGNGTTGGNGCNCNNTGTTAATTTCCAGGC
TNCNTANCAGAANGCTGGAGTGCCAGGGANNAANTGGGCCGTGAACCCAANNANGGCG
GGAGGCTTGGCAGATGAAGCCCGAANATTCACACTTGNTTGCACCTCCCAAGCCTGGGGG
TGNACCANGANTCCAAAGGAACTTCCCATTTCTTCAAAAGNNAANNNTTGANTANNNACA
AGANANNNNATTTGGGTTNNCCCTTGCNCCCGGGGGCCGGGCACNGGNTTCTTAAAAAA
CNAATGATGGGAAACCCCCCCCCGGGGGCTTGNAAGGGGAANTTTTGAATTTTCCAAN
GCCTTTATTCCGAANNACCCGGTCNGNAANCNTTGAANGGGGG

Sequence 1552

AGGTACACATTGAAATCTGCAACATGCTGGGACTGCAGAGAGCCTGGGCTGGGAGTCGTG
AGCTCCACCCGGCTGTTTTATGACAGCTGGCAAAACACGCTAAGGCACATTGAGGACTC

Table 2

AGTGAGGCAGGTTCCCTGGGCCTCTGTTAGGCTAAGTTTGAAGTTGTTCCATCACTGCCTC
CCTCTGCCTTCTTTGCCATTTCCATCCATGATAGCACTACCCTAACTAGTGATGAGAAGC
AGTCTTTGGAGTTCTCTTCTCTCCTGTCCCTCATGGCTAATTTCCCTGCTCAGACTTCT
GCCTCTGGCTCTCTTTCTTCTGTGCACACTGACTTTTTTCCCTCTCCTGTGCCGAGCTG
GAGTCGAGCGGCCCGCCGGGCAGGTACACTGCCAGGCAAAGGCGTCCNGGGCAGCGTAG
GCNGGCGACTCAGATCCCAGCCAGTNGACTTAAGCCCCCTGGTTTGCTCCTCCGAATAACT
NGGGGGTGACCTTGGTTAAATATTCACCANGCAGCCTTCCCCCGTT

Sequence 1553

CCAGGGAAGGATTAAGAAGAATTTAACATAGGGAATAAATGCTAAAGAAAACCTCAAC
AATATACATGTATAGTTAGAAAGAAATACAAAATATTGGTTTTTGTGTTGANACAATTCT
TCCTCCATGGNGGTTTCATACCCATGATCTACAGTTGCCTATTGGATAGTCCAAGGTTTC
TCATCATTTATGCTAGCAAATTATGATTGCCTGGAAGTGCATTTTAAATCTTTTATTT
GAGATGTATAGAATCTTGCTCAAATGGTATTTTCCAACTGTTGAAAAATAGGGCATTTC
TTAANAAAACACTTTTACTTTTTTTTGAANAANAAGTTTCTCTGCAGATTGGTCT
ATAGGNGCGGGTCTTCTGGAATTTGTTTTTCTGTAGAGAGTGAACATATGTTTGGTAT
GTGTGTCTGAGTGTGTGTTGGGGGTGTCTCTGGGTTTCTGGGGGTGNGTGGGGTCTGCT
GNGGNGTTTGGGNTTGGNGNCNGGANNANTGGGAGCCGGGGGNGAANTGGGGCCTNG
GGGNCCTGGGNGCTGGGG

Sequence 1554

CCGCGGTGGCGGCCGAGGTACGCGGGGACCTGCTGTGCTCTTGCTTGACAGTGTCTCTGG
AGCTGGACCTGGCCCTGGGTTTCCAGGAAGCAGTTTGACTAAAGGCAGCAAGCTGCTTCC
TCTGCTGCCTGAGATACCAGATTCCCAATGGCGAAGATTGAGAAAAACGCTCCCACGATG
GAAAAAAGCCAGAACTGTTTAACATCATGGAAGTAGATGGAGTCCCTACGTTGATATTA
TCAAAAGAATGGTGGGAAAAAGTATGTAATTTCCAAGCCAAGCCTGATGATCTTATTCTG
GCAACTTACCCAAAGT

Sequence 1555

AGGTACTTTNTTTTTTTTTTTTTTTTTTTTTTNGATGGAGTCTCACTCTGTTACCCAG
ACTGGAGTGCAGTGGCATGATCTTGGCTCACTGCAACCTCCACCTCCCGGGTCCAAGTGA
TTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTACAGGCATGCACCACCATGCCAGCT
AATTTTATATATATTTTTTAGTAGAGATAAGGTTTCACCATGTGCGCCAGACCGGTCTTGA
ACTCCTGACCTCAGGTGATCCACCCGCTTGGCTTCCCAAAGTGTGGAATTACTGTGCC
TGGCCTAGTCATTAATATTTTGATTAACGCCTACCCCTGTGATCAACGACAACTTATTCA
GGAAGAAGGGTTCTTTCTACTCTAGTATGCTTCCAGTTATTTACTGNGTATCTAGCTAGG
TTGNGAAAAGAAAAGAATNTGAAGCNCGNANTTTATGAAACCTAACTGGGCTATCATCTA
CTTTACCAAATTTCTTTTAAAAAAGCAACCNTCAAACCCCNANAAGAATTTGNAGCCT
TTAACTTTAAAGGCCCTTACATTAAGTTGGGATTTTTTATTATATGGAGAANAACNTN
TNTTTTATGACCTGTGCNCTTTAAAGAAATGATGAGGTTTTTTAAACNCCTAAAGNNGTT
GGAATTAACNAGTTTTNTAATAAATCCCCAAAAAATAACCCAAAAA

Sequence 1556

TGCTCTTTTTTTNTNTGTCNCTNCCACTCTGNAACNNGAGAGCCTGNNTAACCNNG
CCNGTTTCTCTCCTGNNTTGATACACACCTGCNTNGNNGANNNGNATGGNNNTNGAA
NNCTNATNNNGAGNCNTNGGGGTNNCANNGGNAGNCTCGGNGGCTAACNTCCATAAGT
TGATAGGGCAGAACCATTCACAATGGGCACGCTTTGCCGGGCANCACTGTACTGTGCCA
TGGGGCCCGGGACCGTTTTTAAAGGGATTGAGGACAATTTCCCTTGCANGCNCANGAAT
TTCTTTTCAATTAGGGCCCAANAAANGCNTTNCNTTTCCCAAGGGAAAAAAAACCGCC
CCTTTCTTNCAAAATNGTTGAATAATGGGGAAAGNCCGGGCCCAACCAAGGGAATTC
CTAACCCCAAGGGGGGGGGTTCCTTCCCTCAACNTTCAATNC

Sequence 1557

AGGTACATGTTATTAGCTTTAGCAGGTAGTTCTAATAAAAGAGTTCAGTATGCTNTTTAA

Table 2

ATTTTTTTTAGAATTTCTGTGTTATTCAAATTTATTGAACCTAATTATTTAATATAA
GAGAACCAAGGAACCACTGAACTTTGAGAACACAACCGAAATGCTAACTTTAGTGTTTTA
TTTGAACCTAGTGACTAAAATTTCTATGGCAATATATGAATATTTGAGAGGTTAGCCCAA
ATTGTAAGAAATTAATGGTAAGCCTGGCCATGGTTTTGTACGAAAAAAAAAATTTTGTA
CTTACACATAATTTATATTTTAGCAATTTTAAAAACNTTTACNCTANATGTCTGTTTAC
TTTGCTGGAAGTGCCANGTATTTTACCCATGGTANTATTCAATCNTTTAAAAATCTT
CTTAAACAGGTTCTTNCCCATTTTAAAGAAGGTAAACCCAGCCAGGTCAGTGGCTT
CACATCTGTAATCCCAGCTTACCTTCAAGGGAGGCCGTGAGGGCAGAAAGAATTTGCTTGG
AGCCCANGANGCCGGAGGGTTACAGTTGAGCCANAGGATNCGNGCCCATTTGGCAACTTCA
ANCCCTTGGGGCCAACCAAGGAGCCGAAACCTTCTTTTTTCAAAAAAAAAAANAANCN
GNGAAGAACCAACCAANCCAAAATNNCCGGGAATTCTTTTANNATTNTAAATATNGG
AAAAAAAAACCTTCCANTTTANTTACCGANGGAGGACCTNNTTAAAAAAATTTTTTN

Sequence 1558

AGGTACACCTACACTCCAGTCTGGATGACAGAGCCGGGCCCTGTCTCAACAGCAACAATA
ACAAAATGTCAATGTAATATTTTGACCCACTCTCACGTGTCCAAAAGACTTTTAAATTTT
TGTAAGGATATAATAATGTTATTCGGGCTGCAGAAAGGTAAACCAAATTTCTACGGATAC
ATAGAATTTTGGGTATTGATTTTATTAATACCTGAGAGTTTTAAAAACATACCTTTATG
CTTTTGAGAATCCTAATTATTATCGTTATTATTTGCCCTTGAACTTTTGTATTTATTTGA
TCTTAGTTATCTAAGACCATGCTAGGTCTATGGTATATGGATGCTGCACTCATATTGGTA
GAATATAATATGAGAGACAGTCTATAGACAAACATATTAATATATGATGACAATCTATGA
TATATACCATGAAGGAAGCTAACAAGCATAATGTTATGGATTAATTATGAAGGAA

Sequence 1559

AGCTTGGTGTACTTGATGATGTAGGTGAGCAGGCCCATGCCGACAAACGCGGCCACCAGG
ATGAACACCTTGGTGTAGGTCAACTGCACGAAGCCGGTGCCGATGTCGACTCTCCAGGCG
CCGGCCAGCAGCGTCGGGATGCCTTGTTGCTTGGCGCCCTGGGCGATCTGCGCGTAGTTC
TGCAGGATCAGTGAGATACCGATGGCGCTGATCAGCGGTGCCAGTCGGGTGGAGTTGCGC
AGCGGTTTGTAGGCGACACGCTCGATGACCCAGCCATAAACGCCAGTGACGACGACGGTG
AAGATCAGGGTGCCAAGGATGAGCAGCGGGAAGGATTGATGCCGAAGTAAGCCAGCAGT
GCCAGACTGATCGCCGCGAGGTAAGCGGAAATCATATAAACCTCGCCGTGGGCGAAGTTG
ATCATGCCAATGATGCCATAGACCATTGTGTAGCCGATGGCGATCAAGCCATAGACCGAC
CCGAGGGTCAGCCCATTGACCAGTTTGCTTGACAGGAAAATACCATCCATAACGCAATCTT
CACGCAGTGAGGAGCCTGCACACCTTGTTGGGTGTGCGGATCTTTNTA

Sequence 1560

GAATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGGGCAGGTAATCTCACCTGTGGGCATT
TGTCAAAATCAGTATTACTGCTGGGGGGGATGAGGGCTGAAAACCTCTATTTCACCATCT
TTCTGACATCATTTGCCACAGTGTGCTTTTTTTGTTCTGGTATTTCTTATACCTTGAG
TCTCTTCCCTATTTTAGTCAACCCAGCAGTCTGTATTCATTCCTCTTAATCAGGATTTGA
GCTTTGCACCTGCTCCTTTTGGCTGGGGTTGAGTCTACTTCAGAGGCTAGGGATATAGAG
GGTCCAAATACAATTTAAATAAGAAAATGCTACGAATAAAAGTGTGAGAAGAATAAGAA
TTCTAGAAAAAAGAAAAAGAAAATGGAAAGAAAAGACTTTTAAATGTTAAGGCATCTG
GCAGAGAGACCAATGGGAACAAAAACCAATTCTCTCTCTGACAAGTCTTGACCCC
TGGCCTATGGCTGCTTCAACCCACAAAAACGCCTTGTATATCAGCACTCAGGTATCAGT
AGGCTGGCATGCAGTTGCAGTTTTACC

Sequence 1561

GGTGGCGGCCGAGGTAATGAAACATGTTGGAGGGTTAGTTTTGTTAATTTGAAAATTCT
GGGCTGGACATGGTGGCTCACGCTTATAGTCAGCTGTAGCACTTTGGGAAGCTGAGGTGG
GAGAACTGCTTGAGTCCAGGAGTTCAAGACCAGCCTGGGCAACAGAGTGAGACCTATCT
CTACAAAAGTTTAAAAATTAGCCAGGCTTGGTGGTGCATGCCGTGAGTCCCAGCTACTC
AGGAGGGCGAGGCAGAAGAATTGCTTGAACCGGGGAGGTCAAGGCTGCAGTGAGCCACGT

Table 2

TCATGCCACTGTACTCCAGTCTGGGTGACAGGAATAAGACCCCCTGTCCCNAAANNATAA
ANAATANTAAAAAAGTACCTGCCCCGGGCGGNTTCTAAGAACTAGGGGATCCCC
CCGGGGCCTGCAAGGAATTCNATATTNAANCTTAATCGAATACCCGNTNCGGACCCCTC
CGAAGGGGGGGGGCCCCNGGGTTACCCCAANCCTTTTTTGT

Sequence 1562

GCTCCACGCGGTGGCGGCCGAGGTACTTAATTTTTTTTTTTTTTTTTAGTAGAGACA
GGGTTTACCATGTTGGTCAGGCTGGTCTCGAACTCCTGACCTCGTGATCTGCCCCGCT
TGGGCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACTGCGCCAGCCACAGTCAGCCC
AGATTCAAGGGGTGCGTCAATAGACTCTATCTCTTCGTGGAAGGAGCTGCAAACTATTGC
GATCACGTTTGCACTCTACCACAAATGTATTGCTATATGTTAGCGCTATTCTAATAGCTT
TATATGTGTGAACCTCACTTAATTGTTACAGCAACCCAGAGAGGTGAGTTACTATTTCTAA
TTATTTCTCAGATGAGGAAGCAGCTACTGAGACGTTGAGTAACCTGCCAAGGTTATATA
GGTAGTGGCAGAGCTGAATTTGAGTCCACCGCAGTCTGGTTCAGAGGCTATACTCCCAA
ATAATAAGCTATACCGCCTCAAAGCAAGGCGGAAGAACTTATCACTTGTTTGGAGCAA
ACTGAATAAGGCTTCAGACTTGTAACATTAAAGACAATTTGGCTCATTTGGCAAACTTG
GATATATTGGATGCATTGTTTTATATTAAGTAAAAATTTTGT

Sequence 1563

GACGAGCATCACCAAAAAATTCCGACGCTCAAAGTNACGANGGTTGGGCGNAAAACCCCC
GAACANGGGNACTATTAANAGGATTACCCAANGCCGGTTTTTCCCCCCTGGGAAAGCT
CCCCNTACGGNGCCGCTTCTCCCTTGTTCCNGACCCCTTGCC

Sequence 1564

CGGNAATTACNGTTATCCACACCAATCAAGNNGGATAACCGCAAGGGAAAANGAACATG
GTGAGCAAAAANGGCCANNCAAAAAAGGCCANGGGAAACCCGTTAAGAAAAGGCCCCG
CCNGTTTGCNTGGGCAGTTNTCTTCCATTAAAGGGCTTCCCGGCNCCCCCNCTTGAAC
NGAAGTCCATTNCACAAANANAAATTCGACCGNCTTCCAAAGNTACAAANANNGTAGGG
CCGAAAAACCCCGAACCAGGGG

Sequence 1565

GGCGGCCGCCCGGCAGGTACACATTTTGAGGGGTCCACAATTGAGAGGTGAGCAAATC
ACATAGAACCTTGCTTTGTAGCCCTGAATGTGTCCATCTCCCTCTCCCTCCAGTGACCTCT
GCTTCCAGCTTCCCTTCCCTATCTCCTGTATCTCTACTTCACTTGCTGCTACCTTCTCACA
CCACATCTTCCAGGATTACACTTTTATGCTACACCTGCACTGATCAATCTTCTACTCCAG
TCTTCATTTTGTCTTCGTAAAAATGTTGAGGATGAATGCTGTTCCACTTTCCTTTCCTAT
AGCGAGATGGCCTGTCCCCGCGTACCT

Sequence 1566

NNTGTGGGCTTGTGACCTTTTTCAAATCNTTTTAGTGTCATTTTGGTGAAGTTTAAATG
TGTATTCAGTCTGCCATTACTGGGAATCTCAGAGTTCTCATTTTAATATTTTCTTATTT
TTTTAAAGCCTTTGAAATCAGGCATATTTACATCCTGCTTCTTACATTATTTTAGCTG
CAAGAAATGAGCCACTCTGNATAATCTCTTNGTTCAGGAAGGGGACATTTTTCCCTGA
CAAATCAATCTTCCAGAAAACTCTTCATTTCAAGTTTGGAAAGGCACCGGAAATGGCCAA
CCTAAAGCACCAACTGTTCCGCTTCCCGGAGTTTGACTCATTGGCCCCACCTTGTGGCCC
TGTGGGGAAGGGGCGGCAGGCTGAAGAAACCGCCTGACAATTTAAATTNGCTTTTT

Sequence 1567

GGCATGATGGCTCATGCCTGTAATCCAGCACTTCGAGAGGCCAGGCAGGTGGATTGCT
TGGGCCAGGAGTTCAAGACCAGCCTGGGCATCATGAAGAAACCCGTGCTCTACTAAAAA
TACAAAAAATTAGCCAGGCATGGTAGCTCACACCTGTAAGTCCCAGCTACTGGGAGGCAG
AGGCACGAGAATCACTTGAACCAGGAAGGCAGAGGGTGTGGTTGAGCCAAGATCATGCCA
CTTGCACTCCAGCATTCCAGCCTGGGCCGAACAGGAGCCAAGACTCAGTCTCAAAAAA
AAAAAANTAAAGTTCCCTTCGGCCCGCTTCTAGAACTAGTGGGATCCCCCGGGCTTGCA
GGGAATTTGATATCAAGCCTTATCGGATACCCGTCGACCCCTTNGNAGGGGGGGGGCCCC

Table 2

CGGGTACCCAGCTTTTNGTTTCCCTTTTAGTGAGGGGTAAATTTGGCGCCGCTTTG
GCNGTAAATCATTTGGGTCAATAGCNTGTTTCTGTGTNGAAAATTGGTTTATTTCCCGCTC
ACAATTTNCACACAAACCATTACGGANGCCCGGGAGCATAAAAGNNGTAAAAAGCCTGGG
GTGCCTAAATGAAGNNGANGCTAACCTCACATTTAATTTGCGGTTTGCGCTCACTGGCCC
CGGCTTTTCCAAATCNGGGAACCTTGTGNGNNGCCCAAGCTTGCATTTAAATGAAAT
TCGGGCCCAACCC

Sequence 1568

NNAATCAGGGGGATAACCGCANGGAAAAGAACATGTGAGCATAAAGGCCAAGCCAAAAAG
GCCCAGGNAACCCGTTAAAAAGGCCCGCGTTTGCNTGGCCNTTTTTCCATTAGGGCTCC
CGCCCCCCTGAACGAAGCATTCAACAAAAAATTCGAACGCTCAAAGGTNANGTAAGGG
TGGGCCGAAAAACCCCGGAACAGGGGAACCTNATTANAAAGGAATTACCCCAAGGGCCGG
TTTTTTCNCCCCCTTGNAAAAGNCTTCNCCCTTCCGTTNGCCGCTTTTCCCTGTT
TCCCGG

Sequence 1569

CGGTTTATCCACAGAATTCAGTGGGGATAACGCANGAAAAGAACATGTGAGCCAAAAAGG
CCANNCAAAAATNGCNCAGNGAACCGNTAAAAAAGGCCNGCGTTTGCTGGGCGCTTTT
TTTTCCATAAGGGCTCCCGGCCCCCCCTTGNACCGNAGCCATTCAACCAAAAAAAT
CGGACCGCTTCAAAAGTTCANGAAGGGTGGGCCGGAACCCCTNACCAGGGGAACC
TANTAAAAGGATTACCCAGGGGNCGTTTTTCCCCCTTGGGAAAAGGCCNTCCCTT
CCGTTNGNCGCCTTCTTCCNTTGNTTTTCCGGAACCCCTTGCCCCGNTTTACCCCGG
NATTANCCCTNGTTCCCGGCCNTTTTTCNCTCCCT

Sequence 1570

GCCCGGCGAGGTACAGACAATGTGAAGTTAGGACTTAAGTAAAGGTAGTATTTATTACT
AAGAATAAACTTTCTTTAAGAAGTATATAGAAAGTAAATAAATATTTGTTGCTTTATA
TTCAGCCATACTTTTCTACTCACCTGGGCTGCAAGGCAAACAATTTTATTATTATT
ATTATTACTTTATAGAGACGGGTCTCCTTATGTTGTCCAGGCTGTTCTCGAACTCCTGG
GCTCAGGGGATCTTCTGTCTCAGCCTCCCAAAGTACCT

Sequence 1571

NGCCGACTTCAGGGCCAGTACCTTTTCGGCGAGGTCCAGCAAGTGGTCCGCGCTGAACAG
CTCGCGAACGGGTAACTCCACCCCCAACTGCTCGCGCACCCGACCAACCACTGAGTAGC
CAGCAGCGAGTGACCGCCAGCTCGAAGAAGTTGTCATGCAGGCCGACGCGCTCGACTTT
CAGCACTTCTGCCAGATGCCGGCAAGTTGGCTTTGCAAGTGGCCGTCGCCGGGGCCACGT
ANTCCGCTGTGTTGCCCTGGGCCGGGGGTCTTGCCGCGAGGCCAGGGCCTTGCGGGTCCGA
GTTTTGCCGTTTGGGGGGGTCAAGGGGGGCAACCCGGGGGGTAGTAAGTACCCAANAAG
GGTCCGGGTTTGCAATATTAAGTCCCGGGCAAGGCCTGGGCCCTTTGAANTTTTGGGGCC
GCCGAAACCTCTGCCCAANGCCCGCCCTTTTCTTGGGGGTTGGTTCCGAAGGGTTC
NGGGCGCCCCCNGGCNNAANCCGTTTNGGGANTCCGGGTNGGGG

Sequence 1572

AGCTCCACCGCGGTGGCGGCCGACTGCACCACGGATGGGTGGGCGTTGAGCGCCGTTTCC
ACTTCCAGCGGATACACATTGAAGCCGGAGCGGATGATCAGTTCTTGGTGCGACCCACG
ATGAACAACGCGCGCTCCGGCTCCTGGCGCGCCATGTCGCCCGTATTGAGCCAGCCGCCG
TTGCGCATGGTGGCCGCCGTCATGGCCGGTTCGCGGTAGTAGCCGGCCATGATGTTTGGT.
CCGCGTATCCATAATTCTCCCGGCTCGCCAGGCGCGACATCCAGGCCGGCCACGTCCACC
ACGCGCACTTCCACGCCCCGGGATCGGCATGCCACCGAATCGTCGCGGCGCGGGCGCATCC
AGGCGCGTCTGGCTGATGGTGGGAGCACTTCCGNCATGCCGTAGCCATTGTGCAGCGCG
GTGCCCAGCAGCTTTTCCACGTNGCGCTTGAGCGACGGCGCCAGCGGCGAGCCGCCCGCA
TACGCAAAGCGCAGCCCGTGTGGGTA

Sequence 1573

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACGGTGGCGCAATCTTGG

Table 2

CTCACTACAACCTCCACCTCCCAGGTTCAAGCGATTCTCCTGCCTCAGCTGCCTGAGTAG
CTGAGATTACAGGCGCCCGCCACTACGCCCAGCAAATTTTTGTATTTTAGTAGAAACG
GGGTTTCACCATGTTGGCTAGGCTGGTCTTGAACCCCTGAACTCGTGGTTTGCCACATT
GGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGACATTGCACCTGGCCGGTATTTCTGCT
TTTTAAAATTATTTATGAATTTGGTTGTCTCATTCCCATGCAAGCTTTTCTACTTTTAC
TTGGGAAAATTATTTAACTTCTGTGTAACCTGAACTTATTCATATATAAAATGGGGCACTA
ATAATACCCACTTCAGAGTGTTGAGTATTATATGAGGTAATAACATGTAACGGACTTAGT
TAATGGTAAGCGCTATATATGTGGTAGCTATGGTGATTATGATTATCTACAAATAATATT
GTTCTATAAGTGTTCCTTAGTCTTTTTGGAAAGAAGGGCTTTTCTATTATTGGAAAT
TAAAAGTGGAACCG

Sequence 1574

AGGTACGCGGGGACCTCACCTGCTGTGCTCTTGCTTGACAGTGTCTTGAGCTGGACCT
GGCTCTGGGTTTCCAGGAAGCAGTTTGACTAAAGGCAGCAAGCTGCTTCTCTGCTGCCT
GAAATACCAGATTCCCAATGGCGAAGATTGAGAAAAACGCTCCACGATGGAAAAAAGC
CAGAACTGTTTAACATCATGGAAGTAGATGGAGTCCCTACGTTGATATTATCAAAAGAAT
GGTGGGAAAAAGTCTGTAATTTCCAAGCCAAGCCTGATGATCTTATTCTGGCAACTTACC
CAAAGTCAGGTACCTGCCCG

Sequence 1575

CTGGAGCTGGACCTGGCTCTGGGTTTCCAGGAAGCAGTTTGACTAAAGGCAGCAAGCTGC
TTCTCTGCTGCCTGAAATACCAGATTCCCAATGGCGAAGATTGAGAAAAACGCTCCAC
GATGGAAAAAAGCCACTAACTGTNTAACATCATGGAAGTNGATGGAGTNCCTACGTTGA
TATTATCAAAAGAATGGTGGGAAAAAGTCTGTNNTTCCANGCCAAGCCTGATGATCTTA
TTCTGGCAACTTACCCAAAGTNAGGTACCTGCCCG

Sequence 1576

ATGATATACTTCTGGTGAAATTAATATTAAGATTAAATAAGATTTAGAGTGGTTTCTACT
TGTGGGTCATGTTTCTGTTTATGATGCAAACTGTAAAGGATGAAGATAAACTCTAGTTT
GAGATGGGAGATTATGTCACTATTTTGCCTGAATCCCTTCGAAGAACCTCTTCTTCATC
TTTTGGTGATAAAGAGAGTATCCAACTGAAGGGAACCTTCTAGTGTCTTTTGATACTTTA
TTTACTCTTGTGGATTGAAAGGCAACGTTGGAGACTTTTGTGTTATTACAACAGCG
TAAACTTATGATATGAAAAACAAACATCAATATTATATTAAATTCAGTAGAAC
AAAATTTGATTAGGTCAAAATTGATTCACCTTATAATTTAAATCATTAAANAATTT
ACCTTTAAAA

Sequence 1577

GTGGAACAGCATTATCCTCAACATTTTTACGAAGACAAAATGAAGACTGGAGTAGAAGA
CTGATCAGTGCAAGGTGTAGCATAAAAGTGTAACTCCTGGAAGATGTGGTGTGAGAAGGTAG
CACAAGTGAAGCAGAGATACAGGAGATAGGGAAGGGAAGCTGGAAGCAGAGGTCACTGGA
GGGAGAGGGAGATGGACACATTCAGGGCTACAAAGCAAGTTCTATGTGATTGCTCACCT
CTCAATTGTGGGACCCCTCAAATGTGTACCT

Sequence 1578

ACGCCGCTGCGCAACCTGTTCTGAAACACGGGCCACGGCACCCCTGGGCTGGACCATGTCC
TGCGGTTGCGCGCAATTGCTGGCCGACCTGATGTCGTCGAAACAGCCGGCGATTCTGGCC
GACGACCTGTCCGTCAGCCGCTACAGCGGCGCGCAGCGCGGCGGCAAACTGCAACACGCG
GTGGCCTGAGATGGCGGCCAGCATGCCTGCAAAGGAACGTAGCGGCGCCATCCTGACGGT
AGACCTGGACGCCGTGCGGCCAACTACCGCTTGCTGCGCGACAAGGCGCACCCGGCCCG
CTGCT

Sequence 1579

GCGCCAAGCTGCAGTCCATCATCGACGTGGTCAACAAGCCTGGGCGCGTCGCCCGACGAC
ATCATGGCAATTTTGAAGCCCTCGACCAGGCTGGAGCCATCGAAGGCGAACTGGTGGTA
ATTTGATGCTTAATATCAACGACAGCAGCAGCGCCCTGCCCTCGGCGCTCGATGACAAGA

Table 2

CCCCGCGCGGCCACGCCGCGCCGATCCCCGCTACGCGGCCAAGGCCACCGA

Sequence 1580

CCTAAACTAGATAATTTGAGAACAGGGAAGAAAGATTCCATTTCGATTNCTGAAGGTTAC
CCCCATACCTATTATAACAGAATAAAATAAAATAATTCGAAACTGCACAACCTCTAACTT
ATCAAATCCTATATATGCCTCATTTTCTCAAATGACTCCTAATTTGTGNAAAGAAAAAGG
CAAAAAGAGAAAGGACAGAAGTATGTCAAGGTGGGCTAAAGCTATGAATACCCCTTTTATG
TAACTAAGAAAAAATAGATACACACGCATTTTAAAAGGGAACCTTTTGAAACCTTG
AGCCGCAAAGAGGAAAAATTCCTGGCTAAATTGCACCACTCAAAGACAAGTAGACTTACG
GTCATAAATTTCTTCTCCAACCCATTTCTTTAGGGATTCTTACAGATCCATAGCATTTT
GCAAGCTGACATAGGACCTTTCAAACA

Sequence 1581

CCGGGCAGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATCATCAGGCTTGGCTTGGGA
AATTACATACTTTTTCCCACCATTCTTTTGATAATATCAACGTAGGGACTCCATCTACTT
CCATGATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTCTTTCTCAATCTTCG
CCATTGGGAATCTGGTATCTCAGGCAGCAGAGGAAGCAGCTTGCTGCCTTTAGTCAAACCT
GCTTCCTGGAAACCCAGAGCCGGGTCCAGCTCCAGGACACTGTGCAAGCAAGAGCACAGC
AGTCCCCCGCTACCTCGGC

Sequence 1582

CCCGCGTCCGGATGGATAAAGAAAAGGAAGAGTTGGGGTTAGTTGAGTCAGAGTACAGTC
ATCTTTTGTATGTCCTTAGTCTGTTGCTTAAGATTTTCATTTGTGGTTTGCAAACAACC
TTTTAAAAGTCAATTTTTGATTAATTTAGTCTTTTGAAGCTTCTGCATACCAATAAAA
GAATATGTGCCACTGTTTTTGGAGGTTTTGATCCCCCTATTTAATNTGTNTTGAAGATA
AAAAATNTTATCCAAATTAAGTCTTNTCCATTGCANCCATCTGAATTTAAGTTTTCTTT
AATGANTTTAACCCTTTTTTTAAAATGCACACACCTGGGCCTATAATTTGTACACATA
AAATTAGCTGAAGTCCAGANGTGTGGATTCCAGACTCTTTGAGTTGAAATGATCCCAT
TATTAATAAAGGTACCTGATCAGGGCAATCAGGCAGGAAAAA

Sequence 1583

GGAGTCGACCCCGCTCCGGGCAAATTACTGAAGCAGTTATGGTTCATAGTAGCAATTGT
ATATGTTACCTAGGAGATGGTGTCAATGGCCGGGGGCCCTCATCGCCACGTAAGGGTGTCT
TGCCAGGTGACTTGCAAGGGTGACTGCCAGGTGAAGCCAAGGCATTCACTGAACGGAGG
CAGAAGCAGAAACAGTCCCAGGCAATTCTTGGAAAAGTGGCCATTCTTACTGCGGGACA
TAGCACCTTACTGTTGGGTCCAAAACCCCATGTGTCTGCCCCAAAAGGCAGCCAGCAC
AGATGTGTTCAAGGGCCAGAGACACCATTTGCCTACTGAATGACTTGAGCAATTTGGTGCA
TCTCACCGAGCCTTCACCTTCTCTGTTAAATGGAACATCTCCTCCCTCCTTTGCAAGATT
GTCATTAGGATTTGTGAGGTATTGGCAATAACGGGCCCTCCCATCCTCCCATTGCTGTT
GTTATTACTGTATTCATAGCTTTGTGTGCTTCATAGGTACCCTCTAGGGTCCTCTACGTA
CAACATACAACAGCTTCGCAATAGCCAGTGTTGGAAGCTCCAANAACGAAGGTCCTGTGG
GCTATGTGGAGAGTAAGCAGCANAGCAGGACTGCCACTCAAAGTAGTTTCACCC

Sequence 1584

AATAAGATTCAATGCGCACCTAGTTAATTTCAATTTACTCAATACTTTTCAGAAATTGAAG
AAGCTCTTTTACCANCTACTAAACAAAAGCAATTTATCAACTAGGTTTTCTTTCAT
GAGTTGNTCTGTATGTAACAAGAAAGCAAGAAAATAAATATTTTAAATGTCACACTTCC
CTGCAAAAATAATCACAATAATAATAATAATAATGAATAAGAGTTTATAGGCTAGGT
ATAGTGCTCACACCTGTGGATCCTAGCATTTTGAGAGGCTAAGGCGGGTGGATCACTTG
AGGTCAGGAGCTCAAGACCAGCCTGGCCAACATGGTGAAACCCCATCTGTACAAATACAA
AATATTACTCTAAAAAAGAGTGCNNCCGTTANACTANTCTANANAAAAANCNTCCC
NNACNNNNCCNGAACCTGAAANATAAANGAATGCCNTGNAGGGGNAAGTGGNNAATN
GCCCCTTATANNNGNTCAAATAANNNGCAATNGCNTCACNANTTTCCCAATAAAACANN
TTTTTNCCTGCNTNCTANNNGGGGGTTGTCCAAACCANATAAANTGTTCNTACCAAGGG

Table 2

GGGGATCCCNCGGNTNCCNNACTCCAAAAAATTTCTTTTCC

Sequence 1585

CCCGCGTCCGGAAATTTTGAAGAATATTAGAAAATATCTGAAACTGAATGAAAATAAAAC
ACAACATATCAAAATTAGTGAAATAGAAATAAAGTAGTACTTAGTGGTAAGTTTATAATT
AATTTACTTACGTTAGAATTAATTACTTTTATTCGGAAAGAATAAAGGTCTCAAGTCAAC
ACTTTAAGCTTTTGCTTTAAGAAATCTAAAAA

Sequence 1586

CCCGCGTCCGCTTTCTTATTTGGAAAGAAAACAACACTCACCACGGCATTCACAATGCTG
GGGACCTTATGAATGGGAATGGAGAGGCTGCACTAATGTAAGTGGGGTCAACATCCCTGC
TGGAGGGCAGATGCAAGTGGGGTCAACATCCCTGCTGGAGGGCANATGCAATTTTGGCAA
ACTAATGACTTTTGAAGCCATTTTCTAGACTGCATTTTCTCTTTNTTGAATGCT
TTTCTCAAGGGGAAAAAGAAAGCAGGAGGTGTAAATGGTATCTTGGCCGTTCTAAGAGCC
CGTCTGGGAGACTCTCTGCTGACCACAGCACTGTCTCTCCCCAGGGCCAGTCCCACAGT
GTCAGTGAGTCCAGANTCGGGACTCCAACAAGCCCTCCGCATTCCAGCATGACTGTGGTA
AAAACAAAAAAATCTATTTTATTCTAGTCCATCACATTTTCTATATTTGCTAAAGAAAT
CTCGATCACTCCATAAATGATCGGTTAAATTTAAATATAGGCTGGGTACAGCAGCTTA
TGCCCTGTAAATCCCAATGCTTTGGGACACTGAGGCTGGAAGATCACTTGAGGCCAGGAGT
TCCGAGACCAGCCTGGGCAACATAGAAAGACCCCATCTNTTCCAAAAATAAAAAATAATT
AGCTGGGGGAGCCTAAGTNCCAGCTACTTTGGGAAAGCTGAGCCTGGANGAATGCTTTG
ACCTGAGGAGTANAGGCTACANTGAGCTTTGATTGGCCCNCTTGCACTTNCACCTTG
GGCCAACANANTGAAACCCTTGTCGGTAAAAATTCAANTCNAATCAAATANTTTTAA
AAAAA

Sequence 1587

GTCCGTGCACCCCAATGGGATCTGTGGGACATGAGATGCCGGCTGCATGTGAGCATCTT
GGTAACCAATAATAGGAAAGATGTAGGAGCAGGCAATCCTGGGGCAAAGCTGACGCC
AACGTACCTATTCATCTTAGAATTGAGACTCTGATCTGTCTTTCCAAGGCCAGATCTAC
AGAGAACTTTCTGTCTTGGGCAGAATAGCTGGCTGAGACATCATAGAGAGAGACTGAGG
AAATATCCCAGGAGCCTGTTGACACAGAGGCCCTGATAACTAAAGAGAAGTCCCAGCTGG
GCGTGGTGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCGGGCGGATCACTT
GAGGTCAGGAGTTNGAGACCAGCCNGGCCAACATGGCGAAACCCTGTCTNTACTAAAAA

Sequence 1588

TAGGGAGTCGACCCCGCGCNCCGATCCAATGGTCCTTTTCTTCCAAATGAATGTAGAAA
ATTGCTTATTATCCTGATATTTGCACCACTCATCCCATGCCACTTTTNCACATATNAA
TTTATTTCACTGCCTGATCTTTGGATATGAAATTATGAGTTCCACAAAGTCAATTTTAT
AGTGCCAATCAAACAGCATGGTGATATTCTTTTTCTTTTTTTTCCCCCACAAGGCTGT
TGNTCAGTGTGANATGACATCATTTCTTATTTCTGCCATGCTGTGGCTTTTTTGTTCT
GCTTTTAACTACNCCTGTAGTACAGTTAATATGTTTTTATTGGTATTGATTTNTNAA
NNNATTANTGNTCTCTATTTGGGACCCAAGTCATAAGAACCAATTNGAGGACATAATAAA
AACACTTAATGCTTGTAGTCTGTANAGATCTTACCATTTCACAGCNCACACATTATTT
CATAATAAATTGCCACTGGTGGGACATGGGACTGACTTATTGAATAGAGTTTGAAATAC
CACCTTTGTATGAAGCCANACAATTTGATTTATTTATCTAANAAATCTATGCNTGGG
GTATTAAGTTAAAAATAGTGGGGTTAAATACAATTTAATAAAGCCTTANNAAATGGTA
CCCTAAACTCTTCTNCGGGTTAAATGGGAATAAGGGAAATGTNTTGGGGAATGGTGG
AAAAAACTTTTTNGNAA

Sequence 1589

NAGAGAGCCTTGTCTCTCTGGGGCTTGAGGCAGGGCTGGGGCAAAGTGGCTATTGGA
CAGGCTGGCATGAGACAATGTCTTCTTCTCAGCTCTACTTTACTCACTTCTGTGGAGAC
CTGCCTGCGTTCACTTCTCATCCACATAGAACCAGGAATCTTCTGGCTCAAGTCACTAA

Table 2

ACAGACACATCAGGGAGGCAACAGCTTGAAATTGAAAGCAGAAAAAGTGTCGTGTACA
CAAACATGTACAAGCATGAATGTGTGTGCGCACATACACGCATGCACACCTGCACATGCA
CACACCTGCACGTGCATGCATGCACACTTGGCCACCAGTTCAGGACTGCAAGGACAGGCA
TCTCTGCCAGGGGGCTAGCAAACAGCAAACCCACAGCCTAGAATCCGCTTTTGCTTTCT
TGACTTTTCCTGCCCTGGTCTGAAAGAACCAATGACAGAACTGGCTCAGGGACCGAGCAT
GGGGTGAAGCAGAAGATCTGAGTAACCCATATCCTGGCCCACCAGCCCCAGAATTATTGA
GCATTIGATTGTTTAAAAA

Sequence 1590

CCCGCGTCCGGAACCTGATAGAAAAATAGATCTTGCAACCCTGAAACCAAAGTAAATG
AAAAAGTTTCGAGATGAAGTCCATCACAAGGGAGAGAGTTGCCTCCCAGGACGGCGTCT
CTCTAGAGGGACTGAGTTCCAAACCCAGTGCANAAAGTTGTTAAGGAAAATCAAAGAA
GGTTCTGGAATTTGGGTTGCATATTAATACCTANGGAGCTTTAAAGGGAAAGACAA
AACTGAACCCAGACACTACCACAGGCAATTTGATAAGGATTTTACTCCATAACTTTTTA
ACATTTTAGATAGAAAAATTTNAGAACACACAATTTACAGAGATCACCATGATGAACCT
CATGTACCTCATCNAACATCAGTAACTCACAACCTACGGATCAANCTTGTGTCAACCTCG
CTTCCACCCACTTCCCTCTCCACCCCAAAATAATAATTTTTTTT

Sequence 1591

GGAGTCGACCCCGCGTCCGATTTAGGCAGCTTCTCTTTTCTGATTGGTTTCAGAAAG
ATAAGATGCAGTTACAAGCAAATGGAGAAATTAAGTACAAATGTCTGGTCCGAGAAGCTT
AGCAAACGTAGCAGTATTAGTTCTAACATCCATTTTCTGTCAATTTATTGAAAATATCTT
CAAACTGATACATCTTTAGAAAGTAATACAAATTAAGAGTTCATTGAAATAAAGGAGA
TAGTTTTATGACACCAAGATTTATCTCCACACTTGTTCCTTCATCTTAGATGGAACAAAT
GCAGAGAGTGTAAGCTTAAATAACTATATGCTCTACAATGTAGATAATCAAATGAAAA
TGCTGTGGTCTCAAAGCCAGAGGAATGTGGACCACTTGGTGGCCAAATTAACCAGCTG
AGGTCTTTCTTGAGTACCATCTGAGTCTTCTTTTAAAAAAAAAAAAAAAAAANGGG
GNNGNCCNTTAANNTNTTTNAAAAAAAAAACTTCCAANNNTCCCCTGGACCTGNAANN
NAAANNNAAGNCATTNGNNGNNGTAANTNTTTNNTGGCNCCTTTTAGGGNTCNAAAAA
GCNAANCCCCCCCCAAATCCCCAAAAAACCTT

Sequence 1592

GGAGTCNACCCACGCGTCCGCTAGGTGGAGACCCCGTCCCGCTAAACACTGAGCCCGTG
CAGCGTCCAGGCCTGACACCCCTCCGGCGACTCGCCGCTCTACACCTCCGCGCCACTGT
CCCCGGCCCGACCGACCCAGCCCTTAG

Sequence 1593

TTTTCTAAAGATTTTATTGAATATGTTTCCTCTCATCCTTCTTTGAGTCATGCTGGATA
CTCCCTCTGCTATATCCATTTATTCATTTAATGCCCATAGAGGACCATGCCAACCACAT
CCATCCANACTTCCAGGCCTAAGGTTCTGGTTGAAATGACACAGAAACCATGGCAATGGC
TATGGACAGTCTGTTTCTANAAGGTGACCTTCACACACATTCCCACAAAGGCTGCCTGT
GCTTGTTTTAAATTCAGGGTTACCAATATCCTTCCATTTAGGGACTTCAACCACAAGAG
TTCTTCTATGTTATCAGGAATTGGAGGTACACCAAAATAATATCAAATATGCAAGGAACT
AAAGAGATGCTAATCTCATTCTGTCATCTCTGGTTCTCTGGCTGGGTAAACACCCAGC
ATATTGTTACCTTTGNGATTAAAAATCCACAGCATTTAAAGGATTATACCTATTGTCT
TCGTAAACTAGGCTGACTGAGGTTTAAAAAAAACATAAAGGGCAAGTGTTTATCTTTA
AATTTCAAACATTGGGCAAGGGAAATNAAAANGTTCTTTCCTACCCATGGAATNAACATT
CCCAGACTGGGNATTAATTTATCCAATGTTTCTTTTCNCCCCANCCNTTTNTTTTNGG
GCAAAAAGGGGGGNGGGANAAGNAAACAAAANGGGGNTTGGGAACCCCTNTTTTTT
TTTTTTGGNAAAAANCNTTNTTNAATGNAATTNGAGCTNTTTTTCATTAANCATTTTNGA
AGGGTNNGGGGGNTGTCGNCNAACNTANAAANGGCNNNTTGTNTGNGGCCCANNAAGTGG
GGGGTTNAACANACAAAAANAAAA

Sequence 1594

Table 2

GTCGACTTGTGGGGATTTCCTCCTCCTGGGTTACCCACCTAGTTTTCTTGTGATAAAGT
TATTTTGTATGTAGCTATGAGCACAGGTTGATGCTGGAAACACACATGTAGTGTGGATTG
TCATTAAGAATGTGGAGAACTGGCTAAAGAAACCACTTGACAGTTTTGAGATGAGCACT
GCCTGCCTCAGCATCTGTGGTAACGGCTTCACTTGGGTGCAGAGCTTGGCAGAGGTTGA
GTGACTCTATCTCGATGATCGTCTGTCAGAGGACAAGGTTAAGTGTCACCACCGAGGACC
CCGTTGAGCCTCTGGGCTGGAAGTAACCTCCCCTGGGCCGGTGAGGCAGCCTCTGGGGGT
CTTCTGACAAGACCCTTCACTGANCTGCAGTTTGGCCACCTCTGCCCTCGCCTCCCTG
ACTGCAGGGCCTNGAGGTCTCACCACCTCCAGCCTGAGCGCCAGTGCCAGGGGCAATT
TCCCGCCTTCCCNNGGGGCTCAGGATGCTGGCTCCTGGGGCAGTGCCCGCAACTGGGCCC
CTCCTTCAGGGCTGGCCACNGCCTCTGCTGTGTCATACCANCTGCTTTCNNGNACTGCAA
CCCACACTGGGCCGCCGCTAACTAGTTANAAAAAAACCTTCCACACCTNCCCCTG

Sequence 1595

GGAGTCGACCCCGCTCCGAGCAAGCCGAGATCTCACCACCTGCACTCCAGCCTGGGCAAC
ACAGCAAGACTCCATCTCAAAAAATAAATAAATGAATAAGATTTCATATGGCACCTAGTTA
ATTTCACTTACTCAATACTTTTCAGAAATTGAAGAAGCTCTTTTTACCAGCTACTAAAC
AAAAGCAATTTATCAACTAGGTTTTCTTGCATGAGTTGTTCTGTATGTAACAAGAAAG
CAAGAAAATAAATATTTTTAAATGTCACACTTCCCTGCAAAAATAATCACAATAATAATA
ATAATAAATGAATAAGAGTTTATAGGCTAGGTATAGTGGCTCACACCTGTAATCCTAG
CATTTTGAGAGGCTAAGGCCGGTGGATCACTTGAGGTGAGGAGCTCAAGACCAGCCTGGC
CAACATGGTGAAACCCCATCTGTACAAATACAAATATTACTCTAAA

Sequence 1596

GGAGTCGCCCCGCGTGACGNNGNNTCGCNGGNCATGCGACTCATGGCACGGAGCAAAACA
TGGTNCAGCCGCTAAAAACACTGATGGCCGATGATNCGGATTACAGTTNCNATATTCTGG
AANCCCGCTACGCCATTGAAGCCAGCACCGCATGGCATGCGGCAATGCGCGCCACACCTG
GCGACAAAGAAAAGATTGAGCTTTGCTTTGAAGCAACGCTAAGTGAANACCCGGATATCG
CCTCACAAGCGGACGTTTCGTTTTTCATCTGGCGATTGCCGAAGCCTCACATAACATCGTGC
TGCTGCAAACCATGCNCGGTTTTCTTCGATGTCTGCAATCCTCAGTGAAGCATANCCGTC
AGCGGATGTATCTGGTGCCACCGGTTTTTTCACAACTGACCGAACAACATCAGGCTGTCA
TTGACGCCATTTTCCGGTGATGCTGACGGGGCGCGTAAAGCAATGATGGCGCACCTTA
GTTTTGTTACACCA

Sequence 1597

CCGGGCAGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATCATCAGGCTTGGCTTGGGA
AATTACAGACTTTTTCCACCATTCTTTTGATAATATCAACGTAGGGACTCCATCTACTT
CCATGATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTTTTTCTCAATCTTCG
CCATTGGGAATCTGGTATTTAGGCAGCAGAGGAAGCAGCTTGCTGCCTTTAGTCAAACCT
GCTTCTGGAAACCCAGAGCCAGGTCCAGCTCCAGGACACTGTGCAAGCAAGAGCACAGC
AGGTGAGGTCCCCGCGTACCT

Sequence 1598

TTGGAGCTCCCCGTNGTGGCGGCCGATGTACTGCCATNCAATGCAAGGCTGCACACCATG
GGGGTTAAAAAGAAACCTTCCCATGTTGCTCGGAAAGACCCGAGGCATGCTAAGATGTG
CATGGGTCTCCTGAGCAGTTGTGGAACCTGCTGCCATGTGTCTATAAAGGGCAGGCAACA
TATCTTCAAAAACATTTATTTAAGTCTCTGGAAGAACACAATAATGATGTTTGCCGATAG
GGAAAGGTAAATGGGGACAGGTGTGAGGAGGCTTCCATCCTTTCTCATGCCACTTGGACC
ACGTGAATGTGGAAGGTGGCCAGGGAGACCCTCTCTGCAAGTCCAGGAATAGGGCG

Sequence 1599

CCNGCTCCCCGCGGNGGTTTGATTACTCATTNCTCTCANTTNCTAATGCCTGATCCTAAC
TACAAGANTGTGTTTGAAAGAACTCCCTGTATAAGAGACATATTTCAAAGAGCTCAAA
ATAGTAAACACTAATCTTTCAAACCACTATCTACAGCTGGAAAATGCTTTCTCCCTTG
AAGAAAAAAAGGAAGGCAGGCCTGGTGCGGTGGCTCATGCCTGTAATCCAGCACTTTA

Table 2

GGAGGCCGAGGTGGGCAGATGACCTGAGGTCAGGAGTTCGAGACCAGCCTGGCCAACATG
GAGAAACCCTGTCCCTACCGAAAATACCGANAAAAAAGAGAAAAAAGT

Sequence 1600

ACNCCCCCCCCNATCNCNGGGGAAAAAGNTCCCCGCCCCACCGCGGGGNGGGNTTTGCCG
GNGGGNACNANTTTCCCCCGGGGNTTTTNAAAAACCCCCGNNCACAACCCCTCCCCGG
GGGGGTTCCGTNTAGAANGNGGNAAAAANGGGCCCCGGCCANGCNGGCCNCCNGGG
GGGAANGGGGGGGAAGGCCCGNNNNNCNANAGGGGGCCNCCCCNNCNCNNCNGGGGGANA
ACCGGAAACCCCCGGGGAGNCCCCCNGGGGCCACCCCCGGGGGGGGCCACCCAAGGGGG
GANNGGGGCCNCGGGGGNAGACCNAACCCAAANCNGNAAAGNGGNGGGAAAA

Sequence 1601

GCCATGCTCTCCTCCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCCGTCTCCCTCCTCCATCAGACAACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCAGTNGGAGACCCTNCATC
ATCAAGTTCAAAGACCAGGANCTTTACCACCTTTGCGGGGGTCACTTGCCCTGANCATG
GGGCCGGACCGTTTAAAGGAATGANNACATTCTTGACGACGAGNATTNTCCATAGGGCCA
AAAAGCTGCTCCAGNNAAAAACNCTCTCCAATGTTGNTNTGGAAAGNCGCCACANGGA
TTTACCAGGGGGNCCCNCCCTNANTTNANTTCNGGNNNNAAAAAANNCCNNTTTTTNT
CTNNCCNNAAGGGGGGNGNCCNNTTTTTNTNTTTTTTTNGGGGNNNNCCAGN
GNNNANTTTTTTTTTNAAAAAANNTTATATNTGGGGGNTTNAAAAAA
AAAAAGANGNNCCCCCCCCCGGGGNGNNAANNAATATTTTTTANANTANTTTTTT
TTACCCCCCCCCCCCCCGGGGGGGGGGGGNCNCCCCCNCNCTTTTTTTTTTTTTT
TTTTTAGNGNNNGAAAAANAANCCCCCCCCCNCNAAAAA

Sequence 1602

CTCCACCGTTGTGGCGCGCGGTTTGCAGGGTNGCANGTACGGGCGTGCGCGCCGCTGG
CGGGGCCGAGTCTGGCAAGCCGACAGCAGGCTGGCGCGGCAAGGACGATCATCGCGTG
TCTCATGCCTGCCAGCCTACCATGGTTTAACTGAACAGGCGTGCCAGCTCCACGCCGGG
TCGGGGGCGCGCATGAACGCTTCGCCACCAGGAAGCTGTGGATGTGCGCATCGCGCATG
CGTTGCACAT

Sequence 1603

AGGTACTTGGTCTTTGAAGTCTCGTGTGAAAGAGTTGAACACAACCTAACTTTAATGTG
AAAAGGTCTCAAGTAGTTAATCAGAAATGAGAGCGCACATAGCATTTTATACTGTTTTT
GATTTGCTGACACAACATCATTCTGTGCTCTCTAGTGAGCAAGAGTAATCCTCAATAGCA
TTAAGACGAAAGGCTGAACACAAAACCGCAGGCAAGTCAAGTAGTGATTTTATTCTTTTT
GTCATTTTTCTTTCAAGTGGAAGATCCCTAACACTCTCTGCTCCTGACAATGTTTATAAA
CAGAACTNTGAGAAGCATCTGAATGTAA

Sequence 1604

CACGGNTTTCGCCACGCCGCCGNTGATGGCATNCTGCATGAAGTTCAGGTAACCGGTGA
CGGACGGCTCAGACGTGATCTGCATTTCCGGCACCACCAGGCCCGCGTCCGACGCGCG
AATTGGGCGGCACGTAGGAGGGACGGAAGTAGTTGAAGACGGACGGCGCGTTCATGGGGT
TCTGGCCGAGTCCCGACAGCGGATCGCTGAGGTAATANGATGCGGTACTGCAAAGCAGCA
TCCTTGGCGTTAAACGCGCGCATCCAGTTGC

Sequence 1605

GGCATCCTGCATGAAGTTCAGGTAACCGGTGACGGACGGCTCANACGTGATCTGCATTTT
CGGCGCCACCAGNCCCGCGTCCGACGCGGAATTGGGCGGCACGTAGGAGGGACGGAA
GTAGTTGAAGACGGACGGCGCGGTTTCATGGGGTTCTGGCCGAGTCCCGACAGCGGATCGC
TGAGGTAATAAATGCGGTACTGCAAAGCAGCATCCTTGGCGTTAAACGCGCGCATCCAG
TTGCCCAAACGCACCAGCGGTTGNTGCAGTTTGCCCGTGCNCAGGGTGCTGCCGGCTGG
CNCAAGCGCCTCGGGGNTCCAACAGCACGGNACGGATCACNGN

Sequence 1606

Table 2

NGGTACTTTTTNTTCTTTTTTTTTTTNGCTGACCTGNAGTTNGATTTNCNNTGTNT
ANACTTAACANTCTGAATTTAAACACGAGGCATATACACAAAATCATCTGGAAC TGATT
TTTTCACACTAAACACTTCTTTCTGATCCTACTTTCCAGGAGGCTCCTTCCTCCAAACAT
ACCTCCAGATGAAAATCACTTAATTAACCAAGAAAGACTCAACCGCCCTTAAGTGCTTTT
CTAAACAGTCACACATACTGGATTTACTTATTTTGAGACATGACAAACCAGTTGCAAACC
ACAAATTCATTCTCATGGGCCCTCCACACGGTCTCTTGTTCCTTCTGAAGAGGGTCTTGC
TGAGGACCATTGTGCCCCCTT

Sequence 1607

ACCNGGCCNTGCTTNGATGCAAGACTCCTCTCCCTAACGATTTTGAAGAGATATCCATCC
AGTTCTCCTCTAAAACCTAATTGCTTACCCAGATGAAAAGATATTTGAGAATAATGAACC
CATGAGTTGGGTGGGAAGTTTAGGATACCTTTTTATTCTGATGCTCATGANAGCACCATT
TANAACCTACAGCATTGTGGATATTTGGTCTATTTAATATTAAAAATTANAGCACAAAG
GCATTTT

Sequence 1608

CCGGGCAGGTACGCGGGATTATGTCAATGATAACAATTTACCTATTTTCAATTTCTGT
TTGTTTTATGAAAAGCAAATAGAAGCAATCAGGGCACTGCAAGTTGTGACTACTCCAAG
ATGTGAATCATGGATCATGCAAATTACAATCATGTTTTAACCTGACCTCCAAAGGGAGAA
TAAAGTAAAAATTATCCCATGTGAGGATTATTCACCAGTTTATATGTCATTAGTTACCAG
TNTTCTTTATGAATAATGTTTAGCAATATTATAAAAGTATGTCTAATAGNTTATCAGGT
TTTTGGCTTGTTACTTTTTGGTAGNAACTTATAA

Sequence 1609

TCCCACAATTGAGAGGTGAGCAAATCACATAGAACTTGCTTTGTAGCCCTGAATGTGCC
ATCTCCCTCTCCCTCCAGTGACCTCTGCTTCCAGCTTCCCTTCCCTATCTCCTGTATCTC
TGCTTCACTTGTGCTACCTTCTCACACCACATCTTCCAGGATTACACTTTTATGCTACAC
CTGCACTGATCAGTCTTCTACTCCAGTCTTCATTTTGTCTTCGTAAAAATGTTGAGGATG
AATGCTGTTCCACTTTCCTTTCCTATAGCGAGATGGCCTCCCCGCGTACCT

Sequence 1610

AGGTACTGACTTATGCTGGGATGGTCTCGAATTTTATTAGAATCCCCCAGAGTGCTTT
TAAACTCTTCATGTTTCAGGCCAAGCCTTTAAACCATTAACCTAAGAATCTCTGGGTGGA
GGGTGTGACCTAGGCTCAGCTTCTTTAATGTTTCTCAGTTGTGTCTGAAGTGCAAGTCAG
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CAGGAGATCTTGTGTAGAATGCAGTTTCTGATTTAGGAAGCCTATGCTAACGTCAGAGATC
TACATTTCCACCAGCTCTCAGGTGTAGTGACTCTCCTGCTCTGTGGACCACACTTTAAAT
AGCCAGGCTTACCAATCCACTTAAAAATGGCCAAAACCACAATTACTTTTGCACCAAAT
AATACACTGTGCTGTCCAGTATGGTAGCTCCTAGCCACATTTGCCTATTTAAAGCTCAG
TTCTCCATCCTACCAGCTGTTTTTCAG

Sequence 1611

CCGGGCAGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATCATCAGGCTTGGCTTGGA
AATTACATACTTTTTCCACCATTCTTTTGATAATATCAACGTAGGGACTCCATCTACTT
CCATGATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTTTTTCTCAATCTTCG
CCATTGGGAATCTGGTATCTCAGGCAGCAGAGGAAGCAGCTTGCTGCCTTTAGTCAAAT
GCTTCCTGGAAACCCAGAGCCAGGTCCAGCTCCAGGACACTGTGCAAGCAAGAGCACAGC
AGGTCCCCGCGTACCT

Sequence 1612

CGAGCGGCCGCCCGGGCAGGTACTCTCACCTGTGGGCATTTGTCAAATCAGTATTACTG
CTGGGGGGGATGAGGGCTGAAAACCTCTTTTACCACATCTTTCTGACATCATTTGCCACA
GTGTGCTTTTTTGTCTGGTATTTCTTATACCTTGAAGTCTCTTCCCTATTTTAGTCA
ACCCAGCAGTCTGTATTCATTCTTAAATCAGGATTTGAGCTTTGCACCTGCTCCTTTT
GGCTGGGGTTGAGTCTACTTCAGAGGCTAGGGATATAGAGGGTCCAAATACAATTTAAAT

Table 2

AAGAAAATGCTACNAATAAAAAGTGTGAGAAGAATAAGAATTCTAGAAAAAAGAAAAA
GAAAATGGAAAGAAAAGACTTTTAAATGTTAAGGCATCTGGCAGAGAGACCAAATGGGA
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ACCCACAA

Sequence 1613

GCCGGTGATCGACCCGTTCAACTGGGATGCGGGCAGCGTGGCGCGTCCCGTCATCAACTA
CGCGCAGTGGGGCAGGCCAGCATTACCGAGCAAAGCGGCGTGTATGCGGGCAGCGCCT
GCGCCTGGCCGATCCGCTGTCGCTGGTGCTGGGCGGGCGCGTGAGCTGGTACAAGGACGA
TGCCGGCTACTCGGTGGCGCGCAATTCACTCCTTATGCGGGTGTCGTGTATGACCTCGA
CAAGCAGCATTGGTGACGCCAGCTGGACCGAAATCTTCCAGCCGAGGCTTCCACGGA
CGCCAATGGACAGCCCTGAAGCCGATCAGTGGCACCAACTATGAAGCGGGCGTGAAAGG
CGAATACTTTGGCGGGCGCCCTCAATGCCAGCGCAGCCGTGTTCCAGATCCGCCAGCAAAA
CCGGGGCGTGAGCGANCTGGCCGGCCGAATCCTTGCCCCGG

Sequence 1614

ACTTCCTGACTTGTGAGCGTGTCTCACTGCTGGCCCTCTTGAGCCTGCTGAGTCGGGA
CTCAAAGCCAAGGAAGTTGAAGACTTAGAACTCTTCATGCCGGAAGAGGCTGCAGGCA

Sequence 1615

CCGGACGGTACCGGGCTCGGTTTGCCATTACCCAGAACATCATCAGCCAGCACCAGGGT
TTGATCGAATGTGAGAGCCATCCCGGCCACACCACCTTCTNGATCTTTCTGCCACTGGAA
CAAGGAGCCCCATCGACATGAGCCGTAGTGAACTGTCTGGATCGTCGATGACGACCGTT
CTATCCGCTGGGTCTGGAGAAAGCCTTGCAACAGGAAGGCATGACCACCCAGAGCTTCG
ACAGCGCCGACGGGGTGATGAGCCGCTGGCTCGCCAGCAGCCCGACGTGATCATCTNCG
ACATCCGCATGCCCGGCCAGTGGCCTGGA

Sequence 1616

AACTACTGTTTCTATAATGGGATATTTTATTACATGAGGTCTNTGNGGGCATAGTTATTT
CATTAAANAAACACNCTTCATAAAATTGCATCCATGTATGGTAATCTAAAAAGCCAATCT
AGATGACAGAAGCTTCTGACTATAAATTATAAGTAATCTTATCCATACATNCNAGAANC
TAGTGATTATTAAGTNCTCTACTGTACTTCAAACACATNTAAGTTTTCCAAAAGATT
CAAAAACAATTCCTGGCAGCAAGCAAAAAGTCAGGGANAACTGCTGANACAGNGGTGC
TGGTAAGGGCTCCTGGTAG

Sequence 1617

CCGGGCAGGTACTTGACTCTCCCTGCACTGCCTTGCTTTTGAAGGCATCTAAAATCTCTC
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CCTCTCTCANACTGGTTGGAACTTTGGGCACATTTGAAAAGTGTCAACACAATCTGTAA
ACACATCAGTCATAATGATTCTTTCCTAGGAACTNGACACACCCAGATGAACTCTNTTGT
TATGACAGGATCAGTACCANGAGAATTTCTCTCCCGCGTACCTTGGACGCTTTTAGAAC
TAN

Sequence 1618

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCGTCTCCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGG

Sequence 1619

ACTGCCATGCAATGCAAGGCTGCACACCATGGGGGTAAAAAAGAAACCTTCCCATGTTG
CTCGGAAAGACCCGAGGCATGCTAAGATGTGCATGGGTCTCCTGAGCAGTTGTGGAACCT
GCTGCCATGTGTCTATAAAGGGCAGGCAACATATCTTCAAAAACATTTATTTAAGTCTCT
GGAAGAACACAATAATGATGTTTGCCGATAGGGAAAGGTAAATGGG

Sequence 1620

ACCTGACTTTGGGTAAAGTTGCCAGAATAAGATCATCAGGCTTGGCTTGGAAATTACAGA

Table 2

CTTTTCCCACCATCTTTTGATAATATCAACGTAGGGACTCCATCTACTTCCATGATGT
TAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTTTTTCTCAATCTTCGCCATTGGGA
ATCTGGTATTTACAGGCAGCANAGGAAAGCAGCTTGCTGCCTTTAGTCAAAGTCTTCCTG
GAAACCCCCCGCGTACCTGCCCCGGCGGGCCGCTCTAAACTAAGTGGATCCCC

Sequence 1621

CGAGGTACTCAAGAAACCCAGGCCAGAGTTACTGGAGCCCTTCCTCACAATTGGCCTTGG
CTCCCTCTCCACTTGTGTGTTTTACATTGACTTGATCTTCAGTGGAGTAACTCTGAGCA
GTGGCTGTAGCTCAGCAGGTAGAAAACTCTTAACCCCTGAAGAGGGGAATACAGTAGC
ACCATTGAAAAAGAGGTTGTGTATAGAGTTTCATTCTTAAATTTGCTTTGCCAAGGAGA
AAGCCTGTGAGAAGTGAAAGCAAGGTGGAAGTGGGGTCCAAAGAGAGGGAGTAACTAGA
TGCCATATTAATTTGTATTTCTTGAGAATATGACTGCAGTTTATATAACTTGGTTTA
AACATTTTTGGNACCTCTTAAAGAAAAATTTGG

Sequence 1622

CCGCGGTGGCGGCCGAGGTACTTTGGGAGGCTGAGGCAGGAAGATCCCCTGAGCCCAGGA
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AATAAATAGTTGTTTGCCTTGACGCCAGGGTGAGTAGAAAAATATGGCTGAATATAAA
GCAACAAATATTTATTTACTTTCTATATACTTCTTAAAGAAAGTTTATTCTTAGTAA
TAAATACTACCTTACTTAAGTCTCACTTCACATTGTCTGT

Sequence 1623

TACTACTATAGGGCNAATTGGAANTGCACCTCCACNGCGGNNGCNNNNGCAGNTCCGCGG
GGANAATAGAGTGGCTGACTTGCTGATTGAGGTGGCAGCTCCCGAGAAGCAGGAGAAGT
AGAGTTTTTGCAGACAGGCCACGAAGTCAAGCATGCGGAGTGCAGCCAAGCCCTGGAAC
CCAACCATCANAGCAGGGGGCCACGGCCCANACCGGTGCGGCCTCTGCCTGCAGCCTCT
TCCGGCATGAAGAGTTCTAAGTCTTCACTTCTTGGCTTTTGAAGTCCCGACTCANCAGG
CTCAAGAGGGCCANCATTGAGGACACNCTCAACAAGCCANNAAGTACCT

Sequence 1624

ACTGACTGGGTCCCAGGTTTGTCTCACTGCTGTCGGCTTGATGGAGGTCTCCTCACCACA
GAACCCAAGTCTCTGTGGGCCCTCAGAGCCTCAGGTCCCTTTCTCTCTGCCTTCCAGCAT
GTTCCTTCTCTTTTGAAGGTGATCCTTTCAAAGATGTGTCATCTCTTCTTCCAGGAGC
TCCCCATGCCTTCTTTTCCCACTGCTCCCTTTCAACTCTCAGCGCCGCTGGGGGCAGGCC
CCAGGTGCTGGCTCTGCCTGCCAGGCCGCACTCCCGCGT

Sequence 1625

TGTCGGTGTAGTGTCTCCTCGATCCGCAGGTCCGACTCGTGGTACAGCAGGCCGTCGAGCA
CATAGGTGGAATCGCGCACGCCGACATTCACCACGCGGGTGCTGAACGGCGCGTACTGGT
CGGAGATATGGGTGTAGAACAGCCGTCGCCGGTCACTGCCGTACTTCGGGTTGACGTGTC
CGGTGCTCTCGCCC

Sequence 1626

CCGNGGTACCAATTTATTATATGCTGCCTTCAGGTATTCATTTATATTTGTCTCTTAA
ACTAATTGTAAAGTGTTCATTAGTACTGGCTTATAATCCACATGTNAGCAANNNAAGT
NTATCTNNAACATTTACTTTAATATTTTAAATATTATAATTTCAAATGAGTTCCAATTT
CCCAACTTGCTCTTAACCAAGTATTTTTTTAACCAGTTCTCTACTTCTTAAATGAAATT
AAAGAACTAAAATAATTTCAACACCTTAAATAACCAAATAAACATCAGGGAAATTATAT
GTGAACATGTAATAACAAAATTAAAGCTACTGATCTGTNAAAGGACAGTANGAAAAATTN
GTATTCAAATGACANGGGGATATTTAAATACGACACTGCAGCAGCATAAACATGATAAA
TCTCATTTTTGATATAAATGGGGAAT

Sequence 1627

GGCTGTGCGCCNGTTCAAGTGTACNGCAGGNAGTGTGCCGTCTACNGACTCACNTTCGG
NGCTGTGAGANNCAATNNCCAAGCTTTAAGTNAANGTGNANTTTATANTTTCCANTCCA
NGCGGGGGNGGANNCAAAAGAAGCCTTCTCGGATCTTCCCAAGGGCCANTCCCAAAGGA

Table 2

ACCGTTTCCTNTTTTCCAACCTTGGATTCCAATAATTNACCCTTTTATTCAATCCTTTTT
GGGGGGGNAAAAAAGGTCAATCCCCCAGGTTCTTTGGGAAATTCCCCCTGGTCGGGC
CCCAAGGTGGAATTAAAGGAATAAGACCGGTCCCCAAGNAATTAAGGCCTCNAAGCCTT
TCCANGGGTCCCCCTTTGGAGGGGGGTTCTTTCCCTTCAAAAAGGGGCNTTTTNTCCCC
TCCAACCAAAAAGGGGGGGGNTCCTTCTTCCAAAAAAGANAAAAAGGGTGGGGGGGGCC
CAACCAACCTTTNGCCTTNGAACNAAATNGGAAAAACCAGGGGGGTTTNCCTTNNCCCC
GGGCNATTTCAACAAAA

Sequence 1628

GCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACTCTCNNCTGTGGGCATTTGTCAAAATC
AGTATTACTGCTGGGGGGGATGAGGGCTGAAACTCCTATTTACCCTCTTTCTGACATC
ATTTGCCACAGTGTGCTTTTTTTGTTCTGGTATTTCTTATACCCTTGAGTCTNTTCCCT
ATTTTAGTCAACCCAGCAGNCTGTATTCATTCTCTTAATCAGGATTTGAGCTTTGCACC
TGCTCCTTTTGGCTGGGGTTGAGTCTACTTCANAGGCTAGGGATATAGAGGGTCCAAAT
ACAATTTAAATAAGAAAATTGCTACGAATAAAAGTGTGAGAAGAATAAGAAATCTAGA
AAAAAAGAAAAAGAAAATGGAAGAAAAAGACTTTTAAATGTTAAGGCATCTGGCAGAGA
GACCAATGGGAAC

Sequence 1629

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TTAGTTCATAAAAAAATGTTTTATGGACCAGGTGCCGTGGCTCACACCTGCAATCTCAAC
ACCCTGGGAGGCCAGGNGGGAGGATCGCCTGAGCCTAGGGAACCTGAGACCATCTGGC
CAACATGGTGAAGCCCCGNTNTACTAAAAAATACAAAAAATTATTCTGGGACATGCTG
GCGTGCGCCTGTAGGTCTCAGCCTACCTAAGGGTAGACTGGAGGTGGGGGANAAATCAAC
CCTGAANCCCTNGGGNAGGTTGGAANGTNTNGCAATTNGGGGTTTGAGAATCAATGGNTA
CTTGNNACCCTTGGCCCCGGNCCGGGNTCCGGCTNCTAANAAACCTTAGGNGGGGATN
CCCCCCCCGGGGGGCCTTGNCANGGGGAAATTTCCNATNATNNAANGCCTTTATTTCNG
TTTAACCCCGGANTGNNACCCTTGGANGGGGG

Sequence 1630

CGCGGTGGCGGCCGANGTNCGCGGGGGTATGCGATCGTGGCAGGATTGCAGGACGGGCAG
CACTCTTTCTGCAGAGGTAATAATCACCTTGCTGAGGAAGCTTTTCGTCTGCTGATTCT
TCTTTGTGACATCGGGGAATAAGGATTTATTTCTAACAGTCTTGGGGGCTCGTCTGGGAT
CACCCAGTCTCCTTCGGGTGCGGGTCTCTGATTCCCGCCCCCCCCACCAAGGGGGAGGCC
GCCCCACTGCATTACTTGGGTGGCNCCTCAGNGGACTGNGGANTTCCGGNACTTACCTG
NTTGTGGATGGAATAAACCCGGGACCCCTTC

Sequence 1631

AGGTACTCAAGAAACCCAGGCCAGAGTTACTGGAGCCCTTCCTCACAAATTGGCCTTGGCT
CCCTCTCCACTTGTGTGTTTTACATTGACTTGATCTTCAGTGGAGTAACTCTGAGCAGT
GGCTGTGGCTCANCAGGTAGAAAACTCTCTAACCTTGAAGAGGGGAATACAGTAGCAC
CATTGAAAAAGAGGTTGTGTATAGAGTTTATTCTTAAATTTGCTTTTGCCAAGGGANA
AANCCTGTGGAGGAGTGAAAGCAAGGTNGGAACTTGGGGGTCCAAANGAGAGGGNAATT
AAAANTANTATGCCCATAATTAATTTTGGTATTTTCTTGGGAAGAAATATTGNACCTGC
CAGGTTTTTTATTATTAATAAACCTTTTGGGGTNTTTAAAAACCATTTTTTTTNGTAAAA
CCCCTGGCTTTTANAAGAAAAAATTTTGGGGGTCTTGGGGGTGGGGTCCAGAAATTTT
TTCAANTTTTTGGGTAAAGGAAANATAGGNATTTNNTGGAATGTACCCAGGTTTTNTG
TTTTT

Sequence 1632

GCAAATGCAACGTATCGCCCCGAGAGATGAACCTGTGCGAAACCACCTTCGTGCTCAAGCC
ACGTAACGGTGGTGATGCGCTGATCCGGATTTTACCCCCGGTCAACGAAGTCCCTTTTGC
CGGCCATCCGTTACTGGGTACGGCCATTGCCCTGGGCGCGCACACCGATAATCACCGGCT

Table 2

GTACCTGGAAACCCAGATGGGCACCATCGCTTTTGAAGTGGAGCGTCAGAACGGCAGCGT
GATCGCCGCCAGCATGGACCAGCCCATACCGACCTGGACGGCCCTGGGCCGCGACGCCGA
ATTGCTCAAGGCCTTGGGCATCAAGTGAATCGACCTTTCCCATCGAGATCTATCACAACG
GCCCCGCGCATGTGTTTGTGGTCTGCCGAGTATCGAGGCCTTGTGCGGCCCTGCACCCAG
ACCATCGTGCGCTGTCCAGCTTCCACGACATGGCCATCAACTGTTTTTG

Sequence 1633

GACAAAGTNTGCTTGAAACAACAACAGCTCTCATCGAATATTCAGAGAGTCCACTAGGNG
CCAGGCAANGTCTGAAGCTCCTGAGGACAGAGCAGNGTACAAAACACTACGTNTCCCGCTCT
TGCAGGANACTCCTTTCTAAGCATAANANAGACNATAAAATTGGAGGCAGGAGTGGGTGG
TGGGCNATGGGGTCCACTTTANATACAGNGATAATGGAAAAAAGCTTTGCTGAGATGGCAT
TTGAAGTGAAGCTTGAATGANATAAGACAGCAANGCCTAAGGTC

Sequence 1634

CCGGGCAGGTACTCCAATCTGGGGCCAGAGCAAGACCCCTATCTCAGTCAATCAATCAAGA
TTTTGTGTAATATAATCATTATTCCACAATTTTAAAAAATCAGCTTCAAACACAGAAAT
ATGAAAAATCAGAAATTAGGAAGGCTGGTGGTCACTTTCACTTAAAAATAAGTTTATAAAG
AGTCCATTATCTGTTAGAGATATGTATTGAAGCATTTTCCAATAAAGTGAATACTGGGAT
TTGCTTTAAATCATCTGAGGTAGGGGGAGCCTAGAAATTAAGTGTAAAGCTAAGTGATG
GGAGTTCACATAAATTATTCTATTTTCTGTTTGAAATCCTCCATCATGAAATGTTTCATT
TTGTTTTAAGTAAGTTTCCCAAAGATCTTTATNATTAATNTACTCTGTAGATAAAATGA
CAGGCTGNCCCTTAAGCTGT

Sequence 1635

CGCGGTGGCGCCGAGGTACCGCGGGAGAAATACAAAAATCAGCTGGGACTACAGGCGC
CCGCCACCAAGCACAGCTAAGTTTTTTATTTATAGTAGAGACGGGGTTTCACTGTGTTAG
TCAGGATGGTCTCGATCTCCTGACCTCGTGATCTGCCTGCCTCGGCCTCCCAAAGTGCCG
GGATTACAGGCGTGAGCCACCGCGCGGGCCTGATTTCACTTTCTCCAGCCCTTCTAT
TGTTAACATGGGGGTTGTGTTGAAGAATATAAAGTTACAAAGTCAAGGAAGTAGGAAACA
TTTTTACAAGTATTATGTAGCCATCTTGGTGGGGCTGTGGTGAGGTAGGCTGCAAATGAT
TCTCCTATTTCTTTCCCTGAGTTCAGAACATAGGAATTAGATTGATAGACATCAACATAC
CCGCTTTATTGCTGACTCATGACAATAATGGGAAGACATGGCTCAGATGTGCAGCCACA
GTGAGCTTCTGAACATTTCTTCTCAGACTAAGCTCTTACACACAGTTGCAATTGAAAGAA
AGAATTGCTTGACAT

Sequence 1636

AGGTACTCTGCGTTGAACCACTGCTTCCCGCGTACACATTACTTGCACAACTGTTTTTG
ATTTGTCCCTTACTGAAAGTGCCTTATGCTTAATCATTTTTGTCTTTCTTCATATCTA
TTAGTTTCTCTCTAATTGCTTTGATCTGTATTTTATAGCTACATTCAGTNTATTTTCCTA
AGCCTTTCTTGATTTTGAAGTGCCATTTTGTTCCTCACTCTCTCTCGTTTNTTGATA
TTATTTTTATCTTTAGTTTTATATATTACGTTTTATCTTTAGTTTTTAGTTTTCTAATT
TTTAAATTAGTTCCAGCATGTGGNNTATATAATTTTATTTTAACTTATGCCCCCAA
TGATTACTTAAATATTCTTTCTGAGGAATTTACANGGATTTTAANTATAAATCTCTA
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AAAAAGTTAGAAAATTAACTTTTTCTTTGCTTATACTATNTCAATTTTGGGGTNCTTN
CTTTTAAAGGC

Sequence 1637

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCCGTCTCCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGA

Sequence 1638

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTTTTGCTTTTGAATTCTTTAT

Table 2

TGTTTTCAATTAAGAAATGTGGAAATCTGAAACAACTATATTCTCAATCATGTTAGAAA
AAGTATATGTAATATGATTTTTTAAAGTCCAGTGGCTAAGAACTTAGACTGGGTTTTG
AAATAAATTTCTAACACAGTTTCTCAGTATGTTTCTCTAGACAAGAGAAAACCTG
NAATTATGATTCTTAATTTACCCTGGTAATTTTATAAGAAAAATGATTAATTACTTTGAG
CCATCAGTTATACCAGATAATCATGGGTCTTTATTTAAACCNCAAAAAATAGAAAGAAAG
CCGAGAAGCTTAAGCCTTAAATNTTAAGGCCAATTCGGCCTTTAGGNAAAAATGGAATC
NGGGGTAAANATTTTCTTTTAGACACAAGNCAGGCTTAACAATCTTTCTATTTTTN
GGTGGGGGTNACCTANTTTAATTATNTTTTTTAAGNTTCAACCTAACCTCTTGCCNCC
AACCAATNGGGAATTTTGAAGGGGGGAATNTACCTANCTTTGGNAAAAA

Sequence 1639

CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCGAGACCACT
TCCTGTGTTTTGTTAAGTCATGAAAATTAGATTTCTGATTCATCTTTATTTAGCATTTCA
CTATGTATGTATTTGTTCTAATATTCAAATCACTTGCTACTTGAAATTGAATTTCTGAA
GATAATACTACAATTTAAAAATATTTATTTTTGCCTATGTAAATTAATAGGGAGACTCC
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TTCTGGCTACTTTGGAGGCTGTGGTAGGAGGATCACTTGAGCCTGGGCGGGTGAGGCTGG
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CCCAACCCCTATTATGGTGCTACTCAGAAATACTGNAAACATTTTACCGGTTTCTTCNG
GGCCTTAGCCTTTCTTTAATGCACACCNCACTGNACTTACTTAAATACAGGGTGNGTTT
TCCCTTATTTGGAAAACTTGGGAACCNAGAAGNGGAATTTGGATTTTNAAAATTTT

Sequence 1640

TATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCCGAGGTACTTTTTAAACCTCAATGC
CACACTCATAATGAATAACCAGTCTACTATCTCTTATGAATTCCTGATAATTTCTCTCA
TTTTTACTCAAAAAGTCCAAATGAATCCAGGACCGTCTTTCCAAGACTTAACTTTATT
TTATTTTGAATACTATGAGCTCTAAATATCTAGATTTTGTGAGATAAAATCCATGGTGT
TGAGAATCTTTGTGTTAATATTTGGAATTAATAAATGGAATGAAATCTGATATTAATATA
ATAGAAAGACTAGAGTCTGGCAGAAGTTGGGCTGGATTNGTGCTTTTGGACCTTGGGNGA
CTTTATCTAACTACTCCAAACCTTNGGTTTTNTTCCCAAGGAACTGGAATGACCT

Sequence 1641

CAGTGTGATGGGATATCTGCAGAATTCGCCCTTTCGAGCGGCCCGCCCGGGCAGGTACCA
AGAAAATGTGTCCAGGTCAAGCCCTAAGGCTTCTGATAAACGCATTACCAAAGTTTACC
GAAAATATAGTGCATACCAGAGACAGTGGCTCACGCCTGTAATCCCAACAGTCTGGGAT
TACGAAGAGGCTGAGGCGAGGAGATCACTTGAAGCCAGGAGTTCAAACAGCCTGGGCA
ACACAGGGAGAACCCATCTTAACAAAAAATTTAAAAAATTAGCTAGGCCAGGTAGTGCATG
CCTGTAGTCCAGTTACTTGGGAGGCCAAAGATGGGTCACTTTGAGCCCAAGGAGTTTGA
GGCTACAGTCAGCTATGATCATGCCACTTCACTCCCATCTGGGCAACAGAGCAAGACCCC
GTCTTCTTTAAAAAAGTGCCAGCCGGGCCGTGGTGGCTCACACCTGTAATCCCA
GCACTTTGGGAGGGCCAAGGCGG

Sequence 1642

CCCTTTCGAGCGGCCGCCGGGCAGGTACTCACTGCCCTATGCCAGGACCACACTAGC
TCTCAGTTTCTACTCCCTACTTTAACAATCTCAAGATGTTAAATGTCTCAAGGCAAAAT
GGCTTGCTATTTAGCAAGTGTTACTAGAAGAGAAAAGAAAGCATGGGTCTGTAAGCTCTC
CATTTCTTGGTATATTGGCATTTTTTTCTC

Sequence 1643

CCCTTAGCGTGGTCGCGGCCGAGGTACAAAGGGTTATGCATTAGGGACTGAGGGCGTCTA
TGTTTATATAAAATAGCATTTCTATAGAAATTA AAAACATACCCATCACTGTGATATGA
GATGCTCTGTCTCCATGTGATGCCGAAAATATGTAAGGAGCTTTTGGGCTAAAGCGTATT
CAAATGAATTTTTTTAAGCTAAGGAATCTAATCATTGAAAGTATCTTTGTAAGTAATT
CACCAAATATTTGGCCAGGAGAGAAAATAAACTTTTATTTAAATGAGCATTATTTAAAGT

Table 2

TTGTTATTAACTTCTTGATTTGCTTGAAGACGAGGTCTTTAAAATCCTGCATAACTTT
AAAATGTATTGTATTTTTCAGAAATTTTGTGAGAGAAAGATAACAGGGGATACGAATNTAA
ATTAATATAGGGATGATAATTATGATCTAAAACCAGTAGGNAATCATGTTATTTAA

Sequence 1644

GATATCTGCAGAATTCGCCCTTTCGAGCGGCCCGCCCGGGCAGGTACACACTTGAGAGGC
ATCGCTGTCTCCCTTCAGCTAGCCATATTCGTCATATATGAAGGTTTACCTATTAGT
ATGATAAATATCAGATATGACTTTTTACTACCAAATCAGAGCTTAATCATCAGCATTGT
TTCTTGCTATTTGTTTGGAGAAATTGTTTCTGACCCCAACTATAAGACTATAGGACCCA
GCTTATGGAATGCTGCCTTATCTATCTTGGCTGAACCTTCCACACAAAGTGACAATAGTG
CATGAAAAACAAGTTTAAAGTGGACAGGTTTACAGACTGTTTATCCCTGCTTTCTAAGGAA
TATTTTTC

Sequence 1645

CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTTCGAGCGGCCCGCCCGGGCAGGTAC
TTTTCTTTATGAATGTTATACCAGAACTTAGGAGGAAAAAATTTTGTAGCATACTGAATA
TTAGGAATTGGATATCTCCCTAAATTATTAAGTTCATCTTCCATAAATTCTGTAAAACT
GAATGTAGTATTTCCCTCTTCCCATGCAAGTAACTGATATCACTTTAGAAAACCTGAT
ATGAACATTATTTGTTATTGTGCTTTTATGAAGAATTCTGTCTAATCTTCTCATAAGAAG
AAAGAATTGAACCCAAAAATCTAATTATCAGATTTAGTAAGATGTAGGCAAGATCCACC
TATTTTTTTCATTTATGTCTTTCAAAAATCAATCACATTCTATTA

Sequence 1646

CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTTCGAGCGGCCCGCCCGGGCAGGTA
CCTACTAGATGCCAAGGTCACGAATTAGGGTAGGAAAGGAGCTAAGAAGAGCAAAAATGT
TAAAAGGAATCCAAATGATTTTATAGGAGTGGTGAGATGGTGGTAGGAAGAGTTGGGATG
ACATCAAGGTGGAAGAAGTGTGTTTGTGTTTGGAGACAGGGACTTGCTCTTTTGCCAGGCT
GGAGTGCAATACACGGCTCACTGCACCTCGATCTCCTAGGTTCAAGCAGNNGTNGTCCCC
CAGCCTCCCAAAGCAGGCCGGGACCACCGGATNTGGTGTACCATAGCTNGCCTAATTTT
TAA

Sequence 1647

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GGTCAGGAGTAGGGGCAAATGAGGGATGTCTTTTGAAGTGAGAAGAAAGCAGAGATTC
TTTTTCCAAGAAAAGATTTTTTAAAAATATCAAGTAAACATATGATGATGATATCTTAGAT
ATAAACATTGTAATACATTTGCTACTCTACTCATAAATCCTTTATCAGACAACTGATGG
GATTTAATAATGACCGTCTTTTTGTATTGTCTATGGTAGGCATTGTAGTTTCTACATAT
ACTGACAATTCATTTATCTTTCTTGGTGTCTTTTATTATTAACAGTTCTCAGAGTAAAA
CAAAAACAATTTTGA AAAAATTTCTTTATCTCATTCAATATCATGGCAAATGAAACGTCA
CAAAAATGGTCATAATTTACATTGAGAAACAATTACAGGTTAAATCTAAAAAGTGGA
AACTTGCA

Sequence 1648

CCCTTAGGCGTGGTCGCGGCCGAGGTACGCGGGAAGAGAAAATCACTTGGTTTATAGAAG
GCCTTTAACATTTTGTGAGTATGTGTTTTAAACCAAAACCCATAGATAGGAAGAGCCGAC
AGGGAGCTGGAACTGCAATAAGCTTCTTCTAACTAGCAAACGCAGTTGACAGACATCT
TTTTATAGACGTATCTGTGATTGCACGCTGTTTTAGGCTTGATAATTTTTCAACAAGG
AAAAACTTTTCTTCAATTTGAAAAAGCTGTTTACAGTAAATGGCAAAGTATGAGAAGAC
AGAAAGCCATCTGCTCATTCTAAAGCTAAATTGGCCACATTTCCCTTAAAGTATAGAC
AACAGCAGCAGTGGAACACAAGTTAAATGTGTGTTTAGTGAAAGAAAAGTTTTGAATAC
TGCCGNCACAATAATTTTTCNAACCTTGAATTCTTTTATTGAGAAAAGTGACCAATCA
NTGGAGAGANGGGAAAGGGAAAAGA

Sequence 1649

CCCTTTGAGCGGCCCGCCCGGGCAGGTACAGACGGTCAGAAGGAAAGAAGGAGAGGGATT

Table 2

GCCTGCTGCCTCCCCGCGTGCACACACGAGAGTGGGTGCTCCCACCAGCTTTCAGGGGGC
TTTCTTCACGAATGTGAGCACTGATTTTGGGAGATCTGCAGTGGAAGTCAAGTCATGAA
TATTTTTATAAAGAGAGAAATGATGTAATTTATCACAGAAGATATTCAGATGTATTT
TTCCATTTTAAAAATTCATTGGCAGTGCTCATACAAGAGAATTACTTGAGCTGAAAATGA
CTCTGTCCAGTTTCTTCCTATTTTCGTTAATGATTTTGCAGTCACTGAATCTTTCTAAAA
GTTGTATAACCCAGATAAAGTCAGGCCTCCTGGAAGCCAGCTTCAGCCCAGAGACATACG
AAAAGAAGCACCAAATNTCACTGGAAAACCAATTTAAATTTATACTGAATAATCTCATTC
ATAAACACAGCACAACATTCTGAAGCCTGNCCCTTCCAAAATCTATAAGCTCTCTGCCA
CTCTGATGACTTTTCATTCTGNCTCTTTTTCTACCCCAAAAAATCTCTCAACTCTCTTC
AATCTTTCTGCAAAAACTTTTNCCTTNTCTGGCTTAANNCTAACTNTTGGGCTTTTCAAGT
GCCCCNCTGTATTNTATTTCTNTTGNCCCTCAATTTAANCNTTGTCTNTTTTCCCGA
TTGTCAATTCCANAACCGGCCNCAATTTTTCCCACTTAACCTTCTTTAACCCCT

Sequence 1650

CCCTTAGCGTGGTCGCGGCCGAGGTACACTCTCTGCCTTAGAACTACCATCTTTTGCCT
ACATTCAGATAAAGGATTTTGTACTACATTCTAGGTAAAGGATATTGTTACTATCCTC
AAGTTACAGAAAACTCAAGGATGTAAATCAATATTTATCTCAAATTTGTTGACTG
CTACTGCTATCTTTTTGAAGAATTAAGATAAATTAATTTCTAAAAATATGCCATA
TATCAATAATTTACAATAGCTTGATCAGCCAAAAATCCACCTTGAGCTTAAAGCTAGAG
TTTGATAGGGTGATCCTTACTCTCCTAATTTAAATATCACTGTATATTAAGTTTTACAAT
ATACAGTGATATTGTGTATATTGNGTATACAATATACAGTGGATATCTTTTCCAAAC
ACACTTTATTAATAATTACAAATCACAGGGAAGTAACTGCACAACCTTCTACTAGGGTGT
TTATTAAGTTACTGGAAAAAGTTAATTACAAAAACGTATAGGTCCCTAGATTTTGAAT
GGTAAACCACACATACCTTGTTAGCTGGCTAAAAGAATATATTTGGAATATATTTTNGGA
TTTTGCAATGGTTGCCCAAACTAATGTTAGGGAAGTTACCCTAAAAAAATTAAT

Sequence 1651

CCCTTTGAGCGGCCGCCCGGGCAGGNACTCACAGCTGCATCACACTGAATATCATCTCC
CTGCACTGCCATTTTCAATTTGAGCAGGGCGTTGCCTGTCAAGAACATTCATATCTTTGAT
AAACAGTGCAATTTTCCCTGATAGTCTGTATGGGACAGCCTCCTTGTTGCACTCTGAAG
GGACAGGGACTTTCAGGACCTCCTGCTTGTGGTCCACCAAANGGAATCACCATTCAAAAC
TTTCTTCAGCAAGGGTGTTATGGGNCTTTCTCANGTTTTGCCCTANCGATCCCATTTGA
GGGCAAAAANGGTTTNCNTTCTTNTNCAANTACAACCCCTTCTGCTTTTTANNCCAA
GGGGGGGAAC

Sequence 1652

CCCTTTGAGCGGCCGCCCGGGCAGGTACACCACTATCGCTGGCTAATTTTTGTATTTT
TCCAGAGACGAGGTCTCACTGTCTCACTGAGCTCAGGCTGGTCTCAAATTCCTGAGCTCA
AGAGATTTACCAGTCTCAGCCTTCCAAAGTGCTAGGATTACAGGCATGAGACACTGTGCC
TGGCCAGTAATTTTGTATTTATTAAGGTGAGGTTTATACCACCTTCTTCTGATTAC
AGAAGTAATACATGCTCATTATGTAACACTGAAAATGTAAGCAGTATAAAAAGAAAATA
AAAAAGAATATGAAAATCACTAGTGGTCCCATTGTCTACTGATACACTATGTGCTGCTTC
CTAATCTTTAC

Sequence 1653

CCCTTAGCGTGGTCGCGGCCGAGGTACTGATGGCAAGGTTACTCAAATATTTATCAAGCG
TCTCAAAGAAGAAGACTGATATAACCTTGCATGTTTGAATACAAAAATTAATTTAGTT
ACTGTCCACTCTCTTATTTCCAGGTAGAGGGACTCTCTGACCCTCACTCACTCCTCTCCT
AATCAGACTGGTTGGTTTTAGAGAAGGAAATGAACATGCCTAGATCAACCCCTTCTCTC
CCTTTTTCTTGGGATCTGCACACTCCGCAGAGAGCACGAATTCCTCTCCACCCAGAT
CCATAAATGTTCAAGGATCTGCTCCCTGCTGGAAATGCCACAGTTGGGTGGGGGTATATT
GATTCGGGGGCTACTGGCAAGTCCACAGTTTCCCAACAATTAACACTTTTCTCAAACA
ANACTGCCATTTTCTAATCTCTGGCTTGTCAATCTTGTGGGGGAGGGAAAAAGTGAAAG

Table 2

TGCAACCTAATGAAGTCTTTTTAAAA

Sequence 1654

CCCTTAGCGTGGTCGCGGCCGAGGTACCAAAGAGATTAAGGAAAAAATGCAGGCTGTGAA
TGATGGGGCCCCTGTGTTCTTTCCCACTTGGCTCTCACAGTCATGGCAAAAGGCCTTTT
ATNCTTCAGTTTAAAACTCAAACTTTCTTTGGAAAGCTTGACTTATTCTAAAGATATCG
CAGGACTTAACCCAACAAACAGCCAGGCCGTTGCAGGCCCAATCGTGATGCCAGCGTGCT
CCACCCTATTAAAAATAAGCAGATCAGCNTATNTCNGAGAAAAANCCTTTAACATG

Sequence 1655

CCCTTAGCGTGGTCGCGGCCGAGGTACACTGGAGGTAGGGAGCTCANGGATGGCAGCTCA
NATCCGGAACAATTACAATTCAATACTTGGGCATCAGCACTCTAAATCCCGAGGAGCTAG
CCAGGAGTGAAGTGAGGAAAGAGCAAATCAATTTAAACATTGCTAAATACCAAAGACAAG
CTAGCTATTTCTTACTTTGCATGAGGCTTGCCACGTCCTTTCTTGAAATTGTCTGGAC
CATCTCTGGTCATT

Sequence 1656

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTAAACAACCTCTCCAACATAATATCAAA
AANGTAAAGTATTCTCTTACCTTGCATATCTACATCAAAGAAAACCATAAGGAAAAGAAA
CTACAGATGTGCACGCAGTTAGTCCAAGATGCTTAANAATGTCACATCATGTTNAACCTG
AGTCAACCTAACAGTANGGCTGTAAAAACAACCTCTACTTCCTGATTTGTTACTGCATTCA
GCTAATGTATTGAGGGCCTATAATGACTCAGATCCTAAAAATATNAGGAATAANGAAGCA
AAGAACCCTTNCCTAAGCTAGNNCAGGAGACCTATCAGTAAAGACATGACTGTAACACAG
NATGGATNTNGTTNACTGGTNTTAGGTANCAACAANGGGTTTTNAAAGAAAGGNTTATCG
GTTTCCANATAAAAAATTTGATTTTTAAATNTTCCCATGTTTATTTTTAAAAAAA

Sequence 1657

CCCTTTGAGCGCGCCGCCCGGGCAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTG
TCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCT
GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGC
GGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGT
CCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGT
CTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTATGCTGCTTTCAGTGAGC
ATCCTATGAAATACACCANGTGAGAAATTCCTTGAAATTTGCAAGTTGTCTGGGTTTCATG
TCTAAGCTTGTTCAGCTTATCCAGAAATGCCACAAAGAATTCAACTGGATCTTGGAAG
AGGAAAA

Sequence 1658

CCCTTTGAGCGCGCCGCCCGGGCAGGTACTTTGTTAAAGTCTAGAATGGTGGTAGGTGCCT
ACATATATTATTTAATTCTTATAACAATGCCAAAAAGGGTCATTCCAGTTTCTTGAAAG
AAAACCAAGGTTTGGAGTAGTTAGATAAGTTACCAAGGTCCGAAGCACAAATCCAGCCC
ACTTCTGCCAGACTCTAGTCTTTCTATTATATTAATATCAGTATTTTCATTCCATTTATTA
ATTCCAAATATTAACACAAAGATTCTCAACACCATGGATTTTATCTGACAAATCTAGAT
ATTTTAGAGCTCATAGTATTCAAAATAAAATAAAGTTTAAAGTCTTGGAAGACGGTCCTG
GATTCATTTGGCAGTTTTTGGGTAAAAATGAGAGAAAATTATCAGGAATTCATAAGAGAT
AGTAGACTGGTTATTCATTATGAGTGTGGCATTGAGGTTTAAAA

Sequence 1659

CCCTTTGAGCGCGCCGCCCGGGCAGGTACGCGGGTCGTCTTCAGATGGAGCTTGTGTTGT
GAGCTCTGGAGAGGGGGTGTCTTTCTACACTGCATCTCCCATCCTTCCTAACGAGTCAC
GGAGCTGTGCACTCCGCCTTCTTGGCTTTAGTTAACAGGTTCTTCTTGTGTAGTCACATC
AACGTCGGGTACATGGGAATGTGGTAAAGCCTCATTACTGTAGAGTTCAGACATGATCA
CTTAAAAAGAGCTTTATTGGGCCGGCCGGTGGCTTACTCCTATAATCCAGCACTTT
GGGGGGCCGAGGCAGGCAAGATCACCTGAGGTGAGGAGTTCGAGACCAGCCTGNCTANAC

Table 2

ATGGCAAAACCCTATCTCTTCTAAAAATACAAAAATAAGCCAAGGGCGT

Sequence 1660

CCCTTAGCGTGGTCGCGGCCGAGGTACCTGTAAATCTCTCAGCTAAGTTAAGCTATAAAT
TTGATTAGGTTGACTTGGGCAAATGCACCATAAAGTCCTTTCCAGAGAAGGAGTTCACCT
TTCATAGGTTCTACTTGAAGGAATTGTCCAAGAAGGTTTACTGTATAAAGGAAATTGAAC
ACAGAAGGAATGAAAAGTAAAAATTAAACCTAAAAATTTGCAGAAGAAAACACTACAGAAA
ATTTTGTGACCTGGGGTTTGGCAAAGATTTCTTAAATATGACACCAGAAGCACAGCTA
TAATGAACCGTATTAGTTTATTGGGTAAATCAAAATGTAAACTTCTGCTCTTCAAANA
CAGNATTAAGAGAATAAAAAGAGAAACCACAGATTGATAATCTTTTGAAGCCATGTNTC
TGATCAAGGACATGTANAAATATATAAAGAACTCTGGAAAGCTCAATAGTAAGAAAAA

Sequence 1661

CCCTTAGCGTGGTCGCGGCCGAGGTACTATTTTTTTCAGTTGTAAAAAGTAAAAGAGCTA
GGTTTTATGAACAGGATGGGAAGCCAGTTATATTCCAGTTATATTGATTCTGGTTTTA
ATAAACTAAAGAGAAAAGTGCTTTTTAGGCCAAAATCCTGAGATTTCTAATAACAGACTG
TTTTTTTCATCATCTTATTAAATAACCTATTGCACACTGATTACATTTATTCTTACTATT
TTCTTATTTTTTCTGGATCATTTTCACAATTTATTTTTCACAGCATTTCTCAATACTT
TTCTTCATGTTTCATTAATGTTCTGTATATAGTCCGAATTCGTAGCAACCTCTTTAGAA
GCTCTTTTATTACCTAGCTGAAATATAAAAAATATGTAAGTGTAAAACTACTCGA

Sequence 1662

CCCTTCGAGCGGCCGCCCGGGCAGGTACTGGGGAAAAAATCGTGGAATTTTGAGACAA
ACAAATCCACGTNTAAATCCTCACTTGTACTTACTTACTAATATTCTACCCAGGGCAG
GTTACTTAATGTCTCTGAGACTGAATTTTTCTTCATTTAAATGGATAAATNACTCTTTG
TCTTAAAGCTTGTTTTGAGATAAATAACTTTNGATGGTATGTAGGTGTGTTTCAACAAG
AGTAACAGTAGTTTTCATTTTTTAAGT

Sequence 1663

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGAAGTGTGTTTCAGAGTGCGGAGGAAGGGCAA
GTTGTTAAGATTGGTTGTTGAATTAGTTTCTGTTTGATGTTAAAGAGAACATAGAGTAA
TGATAATCCCTCGAAAGTGAGATCTTGGCAGGCTGGCGCCTGGTGGTATAGTAGAAATC
TGAGAAAGGGGGAGGATATTAAGTCAGTTTTATCAGGTAAAGTTGAATGAAATAATCAAG
TTTAAGTGCGTCTTGGGTATTTGCAAAGATGTATAGATTAAGGCTAAAAGGGTTGGAGAA
ATAGATTTGGGAGTTACCTATGATTTTTTTGGTTATTCTGCTCTCAGGATTGAAACTA
AAGAATCTCAGAACTGCATTTCTAATTAGTGCCCATAAAATTCCTTATTGATGCCAAGTT
TTTGGTTTTT

Sequence 1664

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTTAATACACCATCCTGGTGGATCTGGCGC
AAGGGAACCTCACACAGAAAAACACTGCCCTCACGTTATGAAAGGATTCAACATTATTCT
CTCTTTTGAAAGATAATTGGCTTCAAAGAATAATTGAAAGTTAGAACTTGGGTCTTTTA
CAGAACCAGGTAATATCTCTACTACTCTTTTGGGAATTAGTCTTGAAGTGCAGCCACTGT
GAAAGCTTCTGGTGTATTTAAATTAATTCTTGTATTGNTATTAACTTTCCACATGGTT
TTGTTTATCTCCTCAACTAGGGTTTGTGTTCTGAGAGGCAAGAACTATGCTTATATATT
TTTAAAAAATATTTTCAACATTATTTAGCACTCTTATTAAATATTTATTANGCCCTCAAT
AAACATACTGTAATTTTGGTTAAAAAGCACCTAAATTGCTTTAAATCCA

Sequence 1665

CCCTTAGCGTGGTCGCGGCCGAGGTACCTGCAAAGGCACTGAGGTGGGAGGGAGCATGCC
AATGTAGGGAAATGAAGAAACCCAGTGTGTATGAGCCAAGCTGAATAAAACATGAGAAGA
AGCTGGAGAATGAGAGAGACCAGTCCCCAAGCTCTCAAGGAGCAAGAGGAAGCCTTTTCG
GCATTTGAAGTGGAGGGATGGCATGATCTCGTGCCGTAGTTTTTAAAGAACCCTCAGG
CTACTCTTTTGAAGAATATTGTGGGGAGGCCAGAGTAGATGCCTATAGGACTTATACAGA
AGGTTAAAGGCAGTTGATAAAGAGTATTAACAATGA

Table 2

Sequence 1666

CCCTTAGCGTGGTCGCGGCCGAGGTACACTGAGCCTAGAATATCTTGTGGGGTCAAAAGG
TAAGGCAGTGCTCAAAAAACAACAGTAAATGGCAAAATACATAGAACCCAACTTGAAG
GGCATCCTAATGTAAATCTAGAAAAATCTGAGCACAAATGTATTATAGTCATGGGTTA
TAACCAATATAATGAGAATCCAAGAGTCCAGACTGATTTTAAAAAATTGCATTTTTCA
ATATAAAGAAAAATATCTTCCTTATAGTAACATTTAATTGACAAATGTAGAAGTAATGA
TGGAAAGTANGAAAACTACTGGTTNGGCACACACTGGNGTNATAACTGGTTTTTCAGGCCAA
GAAATTATCCACNAATGCCTAAAATTANGTTTGGGTGGAAAAAGTNTNGATTGAANGAAC
CAAAGGATTCCTTTANCATTNAGGGNCCAAAANGCATTCTTCCTTGACCAAAGNATACCT
TTNNTTTCATTTTCCCCCANGGAAAAAAA

Sequence 1667

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGAAGAGAAAACTACTTGGTTTATAGAAGG
CCTTTAACATTTTGTGAGTATGTGTTTAAACCAAAACCCATAGATAGGAAGAGCCGACA
GGGAGCTGGAAACTGCAATAAGCTTTCTTCTAACTAGCAAACGCAGTTGACAGACATCTT
TTTATAGACGTATCTGTGATTGCACGCTGTTTTAGGCTTGATAATTTTTCAACAAGGA
AAAATTTTCTTCAATTTGAAAAAGCTGTTTACAGTAAATGGCAAAGTATGAGAAGACA
GAAAGCCATCCTGCTCATTCTAAAGCTAAATTGGGCCACATTTCCCTTAAAGTATAGACA
ACCAGCAGCAGTTGGAACACAGTTAAGTTGTGTGTTAGTGGAAAGAAAGGNTTTTTGAA
TACTGCCGCCCAANAATTTTTCAAACCTTTGAATTCNTTTATTGGAGAAAGGGACCA
ATCAATTGANAAGAAGGGGAAAAGGGGAAAAANNAATAATTTGAATTTGGCAAAA
TTTTCTTTNAACCAACCTNNGGATTTCNNGAAGTTNAAAAGAAATGAATTTT

Sequence 1668

CCCTTAGCGTGGTCGCGGCCGAGGACTATGAATTTTAAATTTATTTGCTTAGACAGAATA
TGTGGACATACAAATGATGAATGTGATAATTGTCATACATATATTTATCTTAGACACT
TANTCAAACATGTGGTTTTTGGTTATGAGTTANACACTGTCACTTTACCTGGAAGATAC
AAAGTAATTGGGTCATAGACCTCTCAAATNATTGGAACACTTANATTTTTTCAGGGGGAA
TGACATGGAAGGGGAGGCCAGGGNGTCTTATGATTAAGGTAAAA

Sequence 1669

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTAGACCCTATCCCTGCAAGGACTGAGCTGTA
TTTCAACAATCAGAGATTAGAATAAGATGGCACCAATGCCCAGCAGAAGATGGTCACAGA
TGAGATGAGCAGCAAATAACATTTGTGGACTGACTTTATCAGAACTCAACAGAACTGGC
CCTTTGGCCTGCAAGGTCAAGATATCAGGTGAAAAATATATGGGTAATGAGTAAATATC
ATATCTAGGCATC

Sequence 1670

CCCTTAGCGTGGTCGCGGCCGAGGTACACTCTGGACTCCCCAGCTCAAGGTGACTCCGAT
AATATAACGCATGTGTGGAATGAGGATGATGGACAGACCTTATCTCCAAGCAGTCTGGCT
GCACAGCTCCTAATTCTGGAAAACTTTGAAGATGCCCTCTTAAATATATCAGCAAATAGT
CCTTATATTCTTACTTGGCATGTGTGAGAAATGTGACTGACAGTTTGGCCAGAGGTTCA
CCAGAAAATCTAAGACTCCTGCAGTCCACAATACGATTTAAAAAATCTTTCTTCACAAT
GGTTCCTATGAAGATTACTTCTCCTCCAGTTCTTGAAGTCTTAAATCAAACTGTCTCAA
CTTCGAAACTTGACCGAATCTTTGTGAATCTGAAACTT

Sequence 1671

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCAACAGCTTTTCAGCAGATGTTAGCATTAC
ATATGAGAAAGTTGCAGCAGTGTGCACATTGTGCTTCTGCCCTAGATCCTTATGTAAATA
GGACGTCCGTGACTTGATGTTGAAATGACCTTTCAGGCAGTATTCTGTTGCCACATGCCT
GAGCTTGTATCCCAGAGTAATTAGACGTTTTGACTTACACATCTTGGTATACAGTGTTA
TGCTAATTATAAATGTCTGAAAGTTTCTGAAACTTTTTCTTTGTAGCTTTTTATCAAAG
ACAGACAGGAGGTTGGGAGGAGGTTGTGGATTGTGGTCTAAGCCTTTGATTTTCAAGT
CTCTCATTTTTTGGGAATGAAAAATTAATAATCTGCTTTTCCAGTTGCCCGAANACATGG

Table 2

GNNGGGATATTTTTATTATTTCTTTCNATCTTNGAACAAAAAAAAGTNTTGGGAAA
TCACCAGCAATTTTTAAATAACCTTTTTTAAAAANTAAATATTTTTAATTTCTTTAAA
GGGGCATTTTTAGNCTTAAAAAATTTTAAAGGANTTGGNGGAAGTNCCCCCTTAAAT

Sequence 1672

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTAGTGGCTTTAGTTTAAAAGATATGCTTCA
TTACTTCATGCCAAATAGTCAATAAAAGGTTTGTAATTCACATCAAAGTGGTAAAGTCC
TTCTTAAAATTGTTTTTAAAGCAAAAGATCCCAAAATACCAGTTGTCACCATTTTAAAA
GGATATTTTAAAAGATTTCTTTTATGGNTATTCAAGTAAGAAAAATGAAAAAGNCAGAAA
TTTTACTTCTC

Sequence 1673

CCCTTTCGAGCGGCCGCCGGGCAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTG
CCATGGAAGACTTGAAAGGTCACGTAGCTGAGGCTTCTGGAGAGACCATTCAAGGCTTCT
GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCTGC
GGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGA

Sequence 1674

CCCTTNNNGCGGCCGCCGGGCAGGTACCTGGGTGATGGCCATACTGCGTGCCGCCATA
AGCTCAAGCCATGTGCCNGAGGCTGTGCATTTAGGGAAGAGAAAGAATGTTCACTCCCAA
AAGAACTGATTACGGCNTGAACAAGAACCATTGCACATCCTCAGGAGGTTCTAGCAAACC
TTGCACATCCATGTTCTTGCACTTATACATACATAAACAGGAGTGAGGAATGCCTTTCCC
ANNAGCANCAGCAAGAAAGTTTCAACTNNGCAAACCGACCCANGGANGAATTTTTTCAGG
CTTCATCCNTTTTACCAGNAAAAAATNGTAAACCTTCCCATTTG

Sequence 1675

CCCTTCGAGCGGCCGCCGGGCAGGTACTCAAGGCCACAAGACAGGCCGCCATAGAAGTT
TGGCCTTGGGGAATGAACCAAAGCTAGTTTGGAGAGTAGGGTGATTGGGGTGATCACTTT
TCCCTTTAAAGGTGGCATGCTGCAAGAAGAAAGGCTTTGAAGAGTGATGGGTAGTCACTA
ACCATGGCACTATNCTATNTTNTAACCAACGTGATGGGGTCTGGAATGATCCTAGGTCT
GCACTAGAAGAGGTNGACCCAGAGGACCTTGTCTAACATACCCCTTGCTTCTTGACTTCT
TCCCATACCTNGCGTTTCTCTCCGGCCTCAATTACTGGNCTTGAGATGTTACACCCCTTN
CAAGCATTAAATGATGAACCCGCTTCATGGTGCCTGTAAAAGGCCCTNTTTGCAAAAGC
ACCCTGCAGNNGGTATTGGTTTNGNGTTTCTTTCNACTTTCACCTNTAAAAAATG
AAANAGGNNTTNAAGGGGNAAAAAANTGAATTTTNGGGCCNTGGGACTTTTTTAACTTTG
GNTTTTTGAAAANACTTGCAATTTGGCCTTTTTAACTTTNGGGGNTTTGTTNAGNCAAN
CCCAAAAANAANGAAGCTTTTTNATTNNAAAAGGGGCNCCANAAAAAACAATAAAANCT
TGNCCTNNGTNTNTTTTAACTNATTAAACCCAATTGAAGGGNGTTTTNNGNAAAAACNAA
AAAATGGCCAAANTTTTTAAAAAANAATNGCCNTTTTCTTTGGGGGGG

Sequence 1676

CCCTTAGCGTGGTCGCGGCCGAGGTACTCCCTCCTTCGCTACCAACTTCCTGGNCACAG
CCACCATCATCTNCCCGCCAAGCTTCCTAACAGGACTCCCTGCTCCTTCTTACCCAC
CCGTGGTCTATTCTCAACACGGTAGCAAAAGAGAAGTTCTTAAAGTTATAGCAGATCAA
CACCTCCACCTCTCGCACCAGAACTGTGTGAAAGTTGATTATACAAATGGGTCAGGGTG
TANCGCAAGGTGTGAAAGTTCATGATGTGGAATGGGTCATTCTTGCATACCCCAAACTG
AATCACTCTGAGGGCCTGGAGG

Sequence 1677

CCCTTAGCGTGGTCGCGGCCGAGGTACATTTGGGGACAAAATGTTTTGTGGAGATAATG
TAGACTTAAATTTTAAATCCGTAGCTGTATTTTCGTCACAATGAAAATTTGATGTCCTT
AGTAAGCCCCGAATAGAAAGCCTTGACTTGCTTTTTGAGCATAGTTAACAGTGTGAGAT
AAGAGAGGTTTGCTGGCAGTTGCACT

Sequence 1678

Table 2

CCCTTAGCGTGGTCGCGGCCGAGGTACACAGCAGCAAACAGTTCAGATTGTTGATGCTTT
TGATGACCATTAAATGCAAAAGGATTATGGATTATGGCACTGTATTATGAATAGACAAAA
GATTAGTGAAAAGTTGTTTAGCCTAGTAGACATTTTGACGCTTTCTGCGTGAAATTGAAA
GATAAACAGAGAACCATTGAAAGTTCATGTATCAATTAATAGGTCAAGTAAAAATGTAT
CTAAAATTCAACAAGAAGAGATTGTTTTCTATTTTCAGTTTTCAAATGCAAGGTAGTGAAC
CCGAAATCAAATCAACAAAAATAAATGGTCCCAAGGACTCTTATTATAAGTATACAAATGT
TGTAACCTCCAGGAAATGAAAATNTAATGGGTNTAAATGAGAAGAACTNTAAAAACAA
GCCATCCCAACTACCAATAAAGCCTAATTCTACTGACAGGTANCTCCACATAATAACC
TAGAACCAATTTTTTAAATAAAAACTCAAGGCCTTTTAGCTGACCAAAAAAT
TNTTGAATGGAAAGACCCCTTAGGAAAGTAAAAAAATNTACCTTAAATATNATTT
TNCCAAAGCCATTATTAAGTAATTTTTTTAAACCTTTATTGAATGNNGGGGAGCCCTG
CTCCATTTGGTTTAAAGAATTTAATAAAAAAGGGTTTTTCAGNAAAAACCTTTTNCCT
TAAAAAAATCCNTAAATTTTTTAAATCCNTTTTTT

Sequence 1679

CCCTTAGCGTGGTCGCGGCCGAGGTACTCCAGCTATCAAAGGAGAATAGCCTTTAAACA
CCAGGATCCTGGTCGAGATGGTAGAGGTGGTCTGTTTGAATTTGGGTGAATAGAGGAAAT
GCCAGTTAAGGGATAGCCATTCTACAGACAAAAATGCAGCCGTCTATACTTTTACTCCGT
GGTAATACATTATTTGATTTCTTCTTTCTTAAGCCTCTTGCTGTTTGTCTTAGGTATT
TGTCTTATGTATTTGNCACCTACATAAAATATGCTCACTAAACGCCACTGACTTTAAGG
AATTTAAGTATGATTATATGTGGTCCTGTAGAAAAACCATCTTTAAGTGTAAAAAA
GAAGTTTTTTTTAAAAAGCTAAATTAGGAAACAAAAAAGATCTGGAAACTCTGGAATG
TATACCCTATAGAAATGG

Sequence 1680

CCCTTCGAGCGGCCGCCCGGGCAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTG
CCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCT
GGCTCTTGACAAAGATAGCCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAATACCATTTCATCATGCTGAGTTGTGTGCAGCTGCAGC
GGATTCCTCTGAGCGCTGTCTATCNGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATG
TCCC

Sequence 1681

CCCTTCGAGCGGCCGCCCGGGCAGGTACCAGGATTATAGTTAGAAATTTACGGACTGGGT
AGGAAGACTGGATAGAAATCTAAAGATTGCTGATTCAAACACAATGTGGTTTCTTGCTT
TATTGTACAGCTCTGAATTCACAATTATTAGTTAAATTCATAGGCACTATAACTTTAGA
AAGCACCTTCCCAAACCAAGTATTAAGTGATTATTATAATTTCTCTGACTTCTTAGA
ATTGACTTTCCAAGTGTCATGAGAATTATTGAGAAATTGCTACATAGTATCATCTCAGC
TCTGTCCACATGAGCTATCTGTCACCTTGCTTAATGAATAATTGTTCAAGTAGGAATATT
GGTTTTG

Sequence 1682

CCCTTAGCGTGGTCGCGGCCGAGGTACCCAGNGCTTTAACTGAGTTGGGATTTTTTTTTA
ATGTTATANCATTTAATAGGAAAAATCATTTGAAGATCATTTATCTTTGNATAACTGGA
ATTGAAAATGTCAACTAATTATACAGTGTTTTTCCCATAAAAACACAATTTAGTGCCAGG
AGAAAAAGAACTATTTCTTCAGATAACTTTATATGTGTCCTTTTTTTTCCATTAAAAAT
TAAATAGCCCCAAAGTATGTTCTTTTGGCCTTAA

Sequence 1683

CCCTTCGAGCGGCCGCCCGGGCAGGTACTAACATCAATAAGTCGAGAAAATTATATTAA
CTGAAAGAAAAACAAATAATAGAGAATTTTATTAAACGTATTTCTAATGTTTCTCTTCAT
GTTTGGAGAAAAGCTGCCACATAATTAACAATTCTTACCCTGTAAAACAGTATTGTCTT
CCAATCTCAGGAGGTTTACATTAAACAGGAATATAGAATAAGAAACAGGCCTATGGCCGGG
CTCCGTGGCTCACGCCTGTAATCCCAACACTTTGGGATGCCGAGGCGGACGGATCACGAG

Table 2

GTCAGGAAAT

Sequence 1684

CCCTTAGCGTGGTCGCGGCCGAGGTACTCCCCAGCAAAAACCAAATGCCAGACACATTT
TATATAAGAATGAACAATTAATCTGAATAATAAAAAATAAGGCTTATTTATAAAGGTTAAG
TTGAATAGTATATACATGCACATATATGCAAATATATATAATTCAGATATTTTATCTTTC
TTAATGCTTACATGACTCTAAACTCTCACAATTTTAAATTTAAACATAAATATGACATAA
TTGTAAATTTTTCAGCTTTATACATCAGCATTTTACCATCATGAGAAAAAGATATCTTTT
TCTTCTTTTAAATTTCCCAA

Sequence 1685

CCCTTTCGAGCGGCCGCCCGGGCAGGTACATGATAATTTTCTAGTCTAGAGCTGGATGA
GAACCTGCTCCGTTCTGCTACCTTGTCAAACCCACCTACACCCCTGGCAGGGCAGATCCA
GGGGCAGTTCTCTGCCCCAGCCAACGTTGGCCTTACTTCTGCCACTCTGATCAGCCAGAG
TGCACCTGGGGAGAGAGCCTTCCCAGGACAGTTTCATGGACTTCATGACGGCAGCCATGC
CTCCCAGAGGCCACATCCTGCCCAGCTGCTGA

Sequence 1686

CCCTTAGCGTGGTCGCGGCCGAGGTACAAGTTGCACTGTCTGAGGAGGTGCCCTTCAAGC
TAGCACATCAATACTAAAAAGAAAAGCATGCCGAGAGCTGGCAGAAAGAAGGCTTCAGGC
AGAAAGAACAACAGCAAAAGTCCTAAGACTGGAAGGCTGAGTTGTTCAAGAAACAGA
AAGGAAACCATTGTGGCTGGACCCGAGGTAAGAAGCAATGAGGGAAAGGTGGGAAAAGAG
CAAGGAGGGCCCGAGGTCATGGGATGGAGTTAGGCTGTTAAGTGCTTTGAGAGCCTAACA
TCCTAACTCATTGGGAGGTTTTAGCAAGGGTAGGAACATGGT

Sequence 1687

CCCTTTCGAGCGGCCGCCCGGGCAGGTACAGGCTTTGATGTAGGACCGTCTACGTCATGA
GTGAAGAGCGGTAAAGTGCCAGGGTGTCTGGTGACAGAGTGAATAAGAACATGGTATAA
GATGAGGTTATGACTATATTGTGTAGAACCTTATAAGCCACTTTAATGATTTTGGGTTTT
GTTCTAGACGGGAAACCATTGGAAGGCCTTGAGAAGAGAAGTGATGTGATAGGACCTACT
CTATCTTCTATGCAGTGCATAGACTTGGGGCCAAGGGTAGATTGAGAAAGACTAGTTTAG
AGACTGTTATA

Sequence 1688

CCCTTCGGCCGCCCGGGCAGGTACGCGGGGGACACATTGAGAGGTGAGCCCAGAGCGGGT
AAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCTGT
ATGGTCCGTGTCTAGAGCCTCAGAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAAT
GTCAAATGTCATGTTCAATTTTACATTGAGTGCCTGGAATCTTTTCTTCACAATTGAAA
TGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTA
CATAAGAAGCAAGACCACAGACTCAAGACGGACATAATTGGATTTTTTTTGGCATGGCCT
GGAAAGAAAGGTACACACAGTTAACCACAAAACAGGCCTNTNTTGAAGAAACCATTGCCA
TGGACTGNCAGACAGGACCATGGCCAGACCACAAATACCTTTTNGTGTGTGAGCCCCCGG
GACATGTGAAGCTTTCCCGCTGATGCTTCCTTCTATATCAAAGATCACTTTTCAAAAG
ATGAAGCCGACTTAATTTTTTTTTTCAAANCCAATGGATCCCTTGCCAAGCTTTTGGNA
TANTTTTTCCAGCTTTGTTAAANCTNTNTNNGGCATTGAANAATGGGGGGACTTATAAA
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GGGGGACTNAAGGTTTAAAGGAAAAGTTNTTTTACCTTTCTTTCCACCGNGGGGTAC
CTGGGTTTCNCTTTTTTAGAGGNTTTTACCCTNTTTGGCCTTNCAANAAAGGCCTGAAAA
AAATTTTNAANNGCTTTAAANGNCCCTGGGATTTTTTAAAGGAACTTTTTTTTAAAAA
AAAAAA

Sequence 1689

AGCGGCCGCCNCGCNGGNACGCGGGACCTANCTCGGGACCGGCCTGGAGATGGAGTTCG
ACTGCGAGGGCCTGAGACGGCTGCTTGGCAAGTTTTTAAAGATAGTTCTCAGAAAGACCT
GCTGAATTTTACTGGCACAATTCCTGTGATGTATCANGGTAATACATATAACATACCAAT

Table 2

TCCGTTTCTGGATTTTGGATTCTCACCCTTTGCTCCCCCTATTTGCTTCTGAAGCCAA
CTGCAAATATGGGAATCTTACTCGGAAAACATGTGGATGCTCAAGGCAGAATATATTTTG
CCCTATCTCCA

Sequence 1690

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCAGAAGGCAGGTTGGGTCTAGAAAGCCCTGA
CAGTCTAAGAAGGTCCTGAGTTCAGGATACTGAATAGTGTTACTTCACACTCTAGTCAAG
TGATTCTGAGACCTTAGCATGCATCAGAGGGCTGGTAAAACAGATTGTTGTCTCCACCTC
AAAGTATGTGATTCAGTAGATTTGGGGTGGAAATTGGAATTGTGGATTTTAACATTCTTA
GGTGATGCTGATGTTGTTTGTGGTCCAGGGAGCTCACGTTGAAGACTGCTGCCCTGGGCA
ATTGGGATCCATGGAATGTTTGAAGTAAAAGAATAAAATTATCATGACTGTGTCTAAAA
AAGATGACATTTAGCAGANTGATGGATATATTGGGAGAGGAAAGGGCCTAAGGATGGTNA
GGCCAGTTAGAACTTTGAGTANTCCATGTGTGANGTAATCANAGAATGAACCNNTTGATTG
GAGGTGGGAA

Sequence 1691

CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGACATTGAGAGGTGAGCCAGAGGGGGT
AAAGTGGACTGGGGAGGACTTCGGAGGATGTTGATGTCCAGGAGCAGCCCCACGCCCTGT
ATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAAT
GTCAAATGTCATGTTCAATTTTACATTGAGTGCCTGGAATCTTTTCTTCACAATTGAAA
TGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATCTAC
ATAAGAAGCAAAGACCACAGACTCAAAGACGGACATAATTGGATTTTTTTGCCATGGCC
TGGAAG

Sequence 1692

CCCTTAGCGTGGTCGCGGCCGAGGGACTNNNNNTNTNTNTNTNTNNNTAGCGGGT
NNNTTTTTCTNTTNANAACTTTTTNANGATNTTNATNTCCATNANCATNCNCACGCCCT
NTATGGTCGGTGTNTANAGCCTNACATTNNCTAANACCAACCCAGCTCTCAGAAGAAGGA
ATGTCAAATGTCATGTNCAATTTTACATTGAGTGCCTGGAATCTTTTCTTCACAATTG
AAATGAAATGTGCTGAANGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATA
CTACATAAGAAGCAAGACCACAGACTCAAGACNGACATAATTGGATTTTTTTGCCATGG
CCTGNAAGAAAGGNACACACAGTTAACCACAAAACAGGGCCTNTCTGAAAAAGCCATT
GCCAT

Sequence 1693

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTCCATCAAGTCGAGGGAGTAACGCAAACCTA
GAATAGTAGCCATCTATTAAGGATAGTTCGAGGTTTGGAAATTGTAAGTATTTTTAGG
AGCTACGACATGAATATCATATCAGGTAGAAATACTCAGAGTGATCACCTTTTATGAAAG
TTAGTTCTATCTTTTCTAGTCTAGGAAAAATAACAGTGAATGTTTGCTTTTTGTATGTTT
TGTCTCCAAGCAGAGGAAACTGACAGTTTATGTTTTAAGTGCCGAAAGTTGTTTTGGC
TAGGCAGTTCAGAGTTAATCACTGGGATGTTAAGTTGAATTTTTGTCTTTAAATGTTT
TAGATTTTTAAACGAAATATACTTCCATTATTTCCAAACTGACACCATGTGTTCTGGAT
TANTTTTANAGAAATGTTTTCCAAATTCTCTGGATTACTTGAAGTCATTGATTTTGAAA
TATTTAGTTTAGTTTTT

Sequence 1694

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTGTTTTAGTGACCTTCAACATAAATTATAC
CATTTGAACTCACAACCACTTCAGACCTAGGAAGGGCTGGGCCAATTATCCTCCCTCTAC
AGATGAGGAACTAAGGGCTGGAAGATGATATGTTTTACCTTTTGTAAAGACAGTCAGAAT
TAAATCTAGGTATTGTGACTCCATGTCTACAGGACTCTTCTCAGCTGTTGAGAATGAAT
ATCAGGATTTCTTTTCTGAAAGTAAAGTCCACTCTGCTTCTTACCAAAGTGTCTATAT
CTTGCTAAATAAATCAAGTCTCTAGGTAAGAATAGGTGCTATAATTAATTTGGTGCTATT
CATTAGATGCTATTTGATTTCCACAGCCAGAGTCTCAGGACTCGAAAGATTTGATTTTT
CATTTGGACAACATGTTTATGTTTCTTTGAGACAAACATTATAAACCCACCTTCTGTCAA

Table 2

AGAATTCANGTTGCTGGAGAACTCTGTTTCATAGCCGTTGTTGGGATGCAAGGGGGTGTCT
GGGAAAAGGATGGGGGNGTTNCAGATCCCNCCACCAAAAGCNCAANGGGTCATTGGTGTT
TCNCGCCCTTGGANGANGAANGGGANGCATGGGGGAAAAACACANTGGGCNGTGACAGTC
ACAGCAAGCTGAGGCCCCCAGGGCAGNTTTCCAACCTCAAGGGCTGAANANTNTTGGGG
NGGGNTGGAATCTTCAAGNCCCTAAGNGGTGAAAAAA

Sequence 1695

CCCTTTGAGCGCGCCGCCCGGGCAGGTACTAGTAGTATATTTGAAAAGTGATATTTAATA
AGAAGCCTGTAAAACCCTAAGCTTCTCTCCCTTATTATTTGAAAATTATTTAAGACCTG
TAGCCCCACATTTTGATGTTGTTAGATTATCAACATTGTCTGGGTAATGGTCCTGTTT
TATTTAGGGNGGCCCTTCTGCTTATGGNCTGGGCTACCTCTTAATATACAGTATTAAAGA
GTTTTGGTTAACTNTGAACTGCCCGGGTTGATTAGAGTGATTTCCAGGACAGATCGTGTT
TTTGAACCTACATTTTTTATTTCCAATTTTAATGGGANNTGAAAAACATTTATTTTAA
TAATGTTGTTTCTAAGGCCCANGGCACAANTGGGCTTCACCGCCNTGGTNAATCNGNAAC
CACCTTTTNGGNGAGGGGCCCGCAGGNGGANCNAAGATTCAACCCNTTGAGGGGTCCTGG
GAGGTTTCCGANGAACCAAGCCCTTAAGCCCAAACCATTTGGGTTGAAAACNCCCNNTTC
CTTTTCTCTTAANAAAANTNCCCA

Sequence 1696

CCCTTTGAGCGCGCCGCCCGGGCAGGTACATCCTTCTGGGATTCTAAACCTCCCTTCTCC
AAATATGGCCTTGTGTANAGTATAGTCACCAGGAATGATTAACCAACATTNAATCTGAG
CTAAGAGCAAAACAAACAAGTGACTGCCTAANACTGTATCAAGTAAGNGCACAGCACAC
ACAAACACACATGANTTACTTGCTTGCCACTTTGGCCTTAGGAGTATAAAATNCCCAGAT
TTGAGACAAGATNCATTTAAGNTTTNCACCTTTCACACACAACACAATCCTGTTANAGAAA
AGGAATGTGTNGTTCTCCTTTTTGNCCTTCAAAACAAAAGGAATTATTTTAAAAATGA
AAACCCATTCTACCCCGTTAACAGGGNCTGGGGGATTATCCTNTGGGGACTTTGGTTT
TTTCTTCCCCCNATGCCAAGGGATTACCTNNCTNNGGGGGGGGAG

Sequence 1697

CCCTTTGAGCGCGCCGCCCGGGCAGGTACTCAAGCTTTGGCTTTTCTGAACTTTCCTTAT
TTTCAAAATGTCCCCCAGCCCCACTTCCACCTGAGACATTACACACCCCATTTCTCTCT
TCCAGGAAGGCTCTTATGTGCGCTGGGTAAACTTACTCTTCAAGTCTAGTGACCTTTTTT
CAGAAGCTTTCCTGATATCTTTCATTTACCCCACTGCTGACTTATTAATTTTCTAGA
ATTTTATACTTTTACACTACATTCTCTGTGTTGTATTCTCTTATTCAGGGTCTGCTATTT
AATTTTAAGTTCTTGAAAATAGAGACAATTTATTGGTTTTTCATCAGTTTTGGTCCAA
GTNTATATAACATAGATGAAAATAGATATTTGGGATTAATATATATTATATAAAATA

Sequence 1698

CCCTTAGCGTGGTCGCGGCCGAGGACTGACTGCTACTGGTAGACCTAGGGTCAGCTTTGA
GGACTGAGGTAACCACCACAGGAAATAAGTTTTGAGGTCTGATTTTGAAACAATATTGGA
AGACCATTCCTTTGTGAGATAGAAACTTCTCCATTTTAATTTTAGTATTTAAGCTTTTC
CTACAGGTCAAGTTGGGAATAATTTTATTTAGGGACTCACAATCTTGAATTTTAGCTAA
ATGCCCTAAGAATAAAATATTATTTAAAAAGTATTAATGCTGTGATTCCAAACAGTTT
TCTTGTTCAAGGATGAAGNAATNTAAAAATATACCACCTGTCTCGGCAACTNGGAAAA
AAGCCCCATTTTAATTTTCCATTCCCAAAATGGANGAGACTGGAAAAATNAAAGGGCTT
ANGGACCCACAAATCCCAACCCCTNCCCTNCCAAAANCTNCTGGTCTTGGTCTTTTGG
AT

Sequence 1699

CCCTTTGAGCGCGCCGCCCGGGCAGGTACCACTTCTTAGATGTGAGATTGTTGGCAAGCA
TTTCGTCTTTGTGAGCTTCAGTTTCTTATCAATACAGTGACGCTAATGCTACCCGGCTT
ACAGGATCATGGTGAAGATTGAGAAGAGGTGACATAGAGCAAGTGCCAGGGGNTGTGTC
TGATGCCAAGGAGGCACATGGTAGGTCAGTTCTCTTCATCCCTTGCCCTTGCCCTAGAAA
AGGCATTTGTTTTAAGTCGCTTGCTGCAATCCATCATCCCCCTTTTCTCCACCTNTACA

Table 2

GGNTNTNTCCCACTATTTCTCCCTAACCTTTTNCCTTGAANGANTTGGGGAAATTTGG
GGTTTC

Sequence 1700

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTATCTTTTCGGGGTTTTCTTATTCCAGAAAC
CTTGTTATTGCCTGTAAATGCAAATGAATTTGCACTTATTTGTTTTATTTNCTCTTG
TGTTTTAGAAATGTTTTGATGCATCAGAAATTGAGAGATCAGTGATTTCAGTTCTCCTG
TCACACCCCTTTTATGATAAAATATTTGGCCATTTCTAAGGAGTAGTTAGAGGGAAATCC
TTTCATAAATCANTTTCACT

Sequence 1701

CCCTTAGCGTGGTCGCGGCCGAGGTACCACACAGACACCTCAGGACCCCAGCAAATCCAA
ACCTGATCTATCCCTTCACTACCAGATAGCCTCCTTCTCTATCCACTTAAAGGCACA
AGTGATTCCCTATTTTCCCTACCAAAGTTGGGACCCCTTCTTAACTAATTCCAGTTTC
TCATCCTCCTAATCTACTTGTTGGAAGATAATTCTGGCATTCTTCAGAAATGGGTAAAA
GAGATTGATAGAATTGTTAAGGATGTTCCAAAATATTTGGAAAGAATGTATGTATGT
CTACATTTAAGGCTAATAAGCCGTGAGCCTTTCTACTCTAGACATTNCAGGGTCCTAAAA
AATAATGTCTAAGAGTGACATCAGCAAAAATGGGTGGATTAGGGAAGTGTCCAGGGCCAT
TCCCTTTCCCAAAGCCAAAA

Sequence 1702

CCCTTTGAGCGGCTCGCCCNCGCAGGTACAGAAGAANGAAGGGGGCTGAGTCTTGCATA
CTTCTACTGCCCTTACCTGGTCCCTAGGAGTAGTGTGAGACTGGGACAAGTGATC
TGGGATTACACTGATTAGCATGCTTCACAGGAGGGAAATATAAGGAGAAAGGAAGAAGTA
TTTCTCAGTAACATCCCGAGTTAGCCAGAAAGGCTCAGGAAATCCCTGTTTGGTGATGAG
ATCATTGTATCATTGTTTAGAGATTTCTAATTCATGATGCAATGTATTTTAAATGGTAA
GTTTTAGAAAGCTTGTTTTATAATTCTAAACTCTTTCAGACATCAGTTGTGTATCTAAT
CTTTTGTTTACAGGACCTACTCAATCTAATCAGAAAAAGAACAGGCTGAAGCTACAAAT
AAGATAAAAAAGAA

Sequence 1703

CCCTTTGAGCGGCCGCGCCGCGGCGAGGTACGAAGTGTGTTTCAGAGTGGCGAGGAAGGGCA
AGTTGTTAAGATTGGTTGTTGAATTAGTTTCTGTTTGATGTTAAAGAGAACATAGAGTAA
ATGATAATCCCTCGAAAGTGGAGATCTTGGCAGGCTGGCGCCTGGTGGTATAGTAGAAAT
CTGAGAAAGGGGGAGGATATTAAGTCAGTTTATCAGGTAAAGTTGAATGAAATAATCAA
GTTTAAGTGCCTCTTGGGTATTTGCAAAGATGTATAGATTAAGGCTAAAGGGTTGGAGA
AATAGATTTGGGAGTTACCTATGATTTTTTGGTTATTCTGCTCTCANGATTGAAAATA
AAGAATCTCAGAACTGCATTTCTAATTAGTGCCATAAAATCTTTATTGATGCCAAGTTT
TTGGTTTTCTTGNAAATTGNGGTANGTAGAATTCTAAATGAC

Sequence 1704

CCCTTAGCGTGGTCGCGGCCGAGGTACTCTCTTTCCAACCTTCCATGGCCACCTTTGCC
TGAAGATTACAGCTATAAATCCTTTTTCAAACCTTGACAAGCACAGCCTTTCAAACATAAC
CCTAATCTATTTACCAATCTTGTGCTCATAACTCTGTATTATGTGCTTTAGCTAGT
AGACAATTTGATGCTTCCTTTCAAATCTTTGTTTATCCTGTTCTTACAGTTAGCAGTT
TCCTCTCTAGCTATCCTGCCTCTTCTCTTATCTTTCTTTATTTTCTCGTTATTTT
TGAATATATAGATATTATTTATTAATTTATCTGTTTTCTTCAGCTTCATAACATTTATGT
GTCATTTATAAACTTTAGAACTTTGTTAGAAGTTAATTTCTCTTCTGTTTTATAGTGA
GTAGAGAGAATTATTTTACATTTATATTACTCTAAATCATGCTAGCCAAGGAATAATTT
ATCTCATTAATTTA

Sequence 1705

CCCTTAGCGTGGTCGCGGCCGAGGTACACTGAGCCTAGAATATCTTGTGGGGTCAAAAGG
TAAGGCAGTGCTCAAAAAACAACAGTAAATGGCAAAAATACATAGAACCAACTTGAAG
GGCATCCTAATGTAAATCTAGAAAAATCTGAGCACAAAATGTATTATAGTCATGGGTTA

Table 2

TAACCAATATAATGAGAATCCAAGAGTCCAGACTGATTTTTAAAAAATTGCATTTTTTCA
ATATAAAAGAAAATATCTTCCTTATAGTAACATTTTAATTGACAAATGTAGAAGTAATGA
TGGAAGTAGAAAATCACTGTTTGGCACACACTGTAGTAATAACTGTTTCAGACAAGAATT
ATCCACGAATGCTAAAATTAGTTTGGTGAAAGTATGATGAGAAACAAGATACTTACATAG
GTCCAAAGCATNTCCTGACAAGATACTTATTCATTACACAGAAAAAAATAG

Sequence 1706

CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACACACTAGCTGATAAGACACTGTTGCCCATAA
TGTCTATTTATTGGATCAGCAATTTATAAGTCCCACATTCTCATGCCACATAGCTCTACA
CAGCTGCAAAAATATACCATAGCTTGCAGGTGATCATTGGT.TGATAAAAGATATTGAGT
CGCTCATCTTGTGAAAGTGATCTTTGATATAAGAGGAGCATCAGCGGGGAAGCTCACATG
TCCCGTGGCTCACACACCAGAAGGTATTTGTGCTTGTCTGCTGCTGCTGGCAGTCCAT
GGCAATGGCTTTTTTCAGAGAGGCCTGTTTTGTGGTTAACTGTGTGTACCTCGGCCGCCGA
CCACGCTAAGG

Sequence 1707

CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACCAACAGCTTTTCAGCAGATGTTAGCATTAC
ATATGAGAAAGTTGCAGCAGTGTGCACATTGTGCTTCTGCCCTAGATCCTTATGTAAATA
GGACGTCCGTGACTTGATGTTGAAATGACCTTTCAGGCAGTATTCTGTTGCCACATGCCT
GAGCTTGTATCCCAGAGTAATTAGACGTTTTGACTTACACATCTTGGTATACAGTGTTTA
TGCTAATTATAAATGTCTGAAAGTTTCTGAAACTTTTTCTTTGTAGCTTTTTATCAAAG
ACAGACAGGAGGTTGGGAGGAGGGTTGTGGATTGTGGTCCCTAAGCCTTTGATTTTCAGTC
TCTCATTTTTGGAATGAAATTTAAATCTGCTTTTCCAGTTGCCGAGACATGGNGGGATA
TTTTTATATTCTTCATCTTGAACAANAACCTGTTTGAATCACAGCATTTTAATACTTTT
TAAATAATATTTTATTCTTAAGGCTTTTANCTAAAAATTCAAGATTGNGAGNCCCTAAAT
AAAAATTA

Sequence 1708

CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACCCTGTTGTCTTCATGCGTAGAAAGGATTGAG
CCANCTGAGCAATCTCCAAGGTTATCTCAAAGACAATATTTTCATTTTATTTTGTGCTGA
GAACCAAGTGTTTTANACTCTGTATGACCTAAGACTGCTGGAAAGAAGGAAGATCTGGTTA
AACTAACACAAAGAGCTCCTCAGAGTGTAGTTTTCTTACCTTTATTGCTTCCTTGAGTTC
TTATATTGNAGNGGAGACTGAGTCCTCCATACTGCCTGGGCTCTGATTAATAAAGACCT
CTGATATCACATGCAATGAAGAATAGANAGTTCTAGTATGTAAAGCA

Sequence 1709

CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACCACCAAGTCCATTTCTGAGTTTAAATACCC
ACCCACCGAACTGGGGTTGTGACCTTCAGCAAGATTGTGTTCTATTTTAGTTTGTTTTA
AACTTCTTCAAGTCTTCATTGTCTCATCTGTAAAGTGAGGATCACAATGGGATCCCACTT
CTAAGGTAGGTATGAAAATTAATGCAGTCCTGAATGCCACGTGCTTAGCTCAAGTCCCA
GCTAAATGGAGGCTACAGAGGACATTGGGTGAAACCACACCTTCTTATCTTGTGATGG
TCCCAACAACCTTGGGTGGGGTAGCCTCTTTTGTCTCCCTCATTGGGCAGTTACAGAAAG
CTACACCTGAGAGGTCACACATCTAGGAAGTAGAAGAACCTGAAC

Sequence 1710

CCCTTAGCGTGGTCGCGGCCGAGGTACTATACTTGGCCCTCTATAATTCTGGGTGTAATG
TCAGTTGGGTTTCAGGCACATTACCTGCAGCAGCAACAAACACCTTCTATCAAAGTCTCA
ATTTCCCACTCTAAAATACCAATATGTCAGTGTTGAAGTTAAATTAGGTTTCTAACCCAA
TGCANGGAAAAAGAGAATTGATGGCANGTCCTTGATTAATTAGTTGAGTAAATGTTGA
AAATGACATTTTGAACAAAATATTGAAAAAGATAACATGCNCGGTCANATGTNCAGCAAG
CCAAAAGAAGAAAGGCTTTCCTGAAAAATGTAAATTTCAAAGAAGAAGTTTTTGAA

Sequence 1711

CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACGCGGGGACATTCANAGGTGAGCCAGAGCGG
GTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTATGTCCAGGAGCAGCCCCACGCCCT

Table 2

GTATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGA
ATGTCAAATGTCATGTTCAATTTTACATTCAGTGCCTGGAATCTTTCTTCACAATTGA
AATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATAC
TACATAAGAAGCAAGGACCACCAGACTCAAGACGGACATAATTGGATTTTTTTTGGCAT
GGCCTGGAAAGAAAGGTACCCACAGTTAACCACAAAACAAGGCCTTTTNTTGAAGGAA
GCCATTGGCCATGGACTGGCAGACNAGACAANTNNCCAGGACNCCAAATTNCCCTTTCTG
GGGGTGTGAGTCACGGGACATGTTGAGCTTTNCCCGCTTGATGCTCNTNTTAATTTCAA
AGATCACTTTTCAAAGAATNGAGCNGACCTCATTTTTTTTTTTTNTTCAAACCCATGN
NTTCCCCCTTGCNAANGCTTTTGGNTNTTTTTTTTGAAGCNTTGGNTAAAANCCTTTTT
TGGGCTTGAANAATTNNNGGGANCCCTTTNTAAAATTNGTTGGNTCCCAATAAATTAAN
CATTTTTGGGGCAANAAGNGNTTTTTATTAACTTTTNGGGGGGACTCCCCCCCCC

Sequence 1712

CCCTTAGCGTGGTCGCGGCCGAGGTACTATTTTTTTCAGTTGTAAAAAGTAAAAGAGCTA
GGTTTTATGAACAGGATGGGAAGCCAGTTATATTCAGTTATATTCGATTTCTGGTTTTA
ATAACTAAAGAGAAAAGTGCTTTTAGGCAAAAATCCTGAGATTCTAATAACAGACTG
TTTTTTTCATCATCTTATTAAATAACCTATTGCACACTGATTACATTTATTCTTACTATT
TTCTTTATTTTTCTGGATCATTTTTCACAATTTTATTTTTTACAGCATTCTCAATACTT
TTCTTCATGTTTCATTAATGTTCTGTATATAGTCCGAATTCTGTAGCAACCTCTTTAGGA
AGCTCTTTATTAATACCTAGCTGAAATATAAAAAAATATTGTAAGTGTAAGTAACTACTCGA
TTTTATNGGGGAGCCCCGTTTGGCTTTANGTGGGACCTTTTAAAAACCTTCCACCGGNT
NGGGGATANTTTCTNGNATTTTNGANGGAAAAAGNNAACCNNTTNAAGGGNAATTT
CTTNTTANGAAAAAAAAGGCATTTTCAAAAAANANTAAGGGTATTTTTNTTTNTT
AAAAAAAAGNAATTTTGGCTTGGGAAAAANANTTGNNGAANTTTNCCCAAAAAANNT
TTTAAGGGTTTT

Sequence 1713

GAAATAGTTCAAATCATGGCACATTGAATGTCCTCACTGGATTTTTAGGAATGTGTTTAC
TGAGACAGCCAAATCCTATTTTCAATTTCTTTGGCTCATTGCATTGGCTGTAAATTGGAGA
TATTCATTTAATATGTGAGTCAAAATTTATTTNCAAACATAACTGCAGGNGTTCTGT
CACAGAATATAAATTTTCTTATTTATTTCTTAATACCCTTGCTTTCNACTTTNTNCTN
CACTTCTTCTATTTTTATTCTGGGAGTAATGTGGAAAAAGGGTTTTNCCAANAAAAAGA
NTTNGCCATTATTGCCCATTAANTCCTAACNNGATGGAANTACCTTTTTTT

Sequence 1714

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCAGAAGGCAGGTTGGGTCTAGAAAGCCCTGA
CAGTCTAAGAAGGTCTGAGTTCAGGATACTGAATAGTGTACTTCACACTCTAGTCAAG
TGATTCTGAGACCTTAGCATGCATCAGAGGGCTGGTAAACAGATTGTTGTCTCCACCTC
AAAGTATGTGATTCACTAGATTGTTGGGTGGAATTGGAATTGTGGATTTTAACTTTTA
GGTGATGCTGATGTTGTTTGTGGTCCAGGGAGCTCACGTTGAAGACTGCTGCCCTGGGCA
ATTGGGATCCATGGAATGTTTGAAGTNAAGAATAAAATTATCATGACTGTGTCTAAAA
AAGATGACATTTAACAGAAGTGATGGATATATTGGAGAGGAAAGGGCCTAAGGATGGTGA
GGCCAGTTAAATACTTTGAGTAGTCCATGTGTGANGTAATCAGAGAATGAGCCCTGATTG
GAGGTGGGNAAGCCTGGGGCCTGTTGAATCTTTCAATTCNTTTTAAAGGGCTATNNTG
AATTCATTTTATCAANCNAATNGGANACCAATGGGCCCTNCCTCTTAATTNCCTTTTGAN
AATTTTTTTTTTANGGNTTGGCCAAANTTTNAGGGAAAATAAACCAATTTTANGGATGGGC
CNCCTTTTTTTTTTGAATTTTNAAGGTAAAAACNAAAAANACCTTTTTTNNNNATA
GGGTTTNGGCCCTAAATNTTNGGGGCNGGCCCCCCCCCCC

Sequence 1715

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTTGCTACACGGCCGGGGGCCATTGAGACTG
CCATGGAAAGACTTGAAAGGTACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCT
GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG

Table 2

ACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAAGCTGCAG
CGGATTCCCTCTGAGCCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTCCCTGGGAT
GTCCCTGGACAAGAGACAANGGAGAAAGCCTTAAGGATCTACTGGGGGGAGTCCCGGANG
AACCANTCTTTTTNTCCCGCTGGAACCCATGGNNCACTGGAGTTTCCCTTTANTGCTTA
CTTTCNACNTGGNGCATTCCCTNTGGAAAATTACAACCCAGNTGAGAAAATCCCTNTGAA
AAATTTTNGAAAAGTTTNTNTGGGGNTTCATTGNTTTTAANCNTTGNTTCCAAGCTTTTCC
CAAAAAATTNCCCCANCAAAAANAATTTNAACTNNGNATNCTTGGGAANGNAGGAAAAANN
AAACTTNNNTGGGNNGGTAAACNTGGAACCCCTTTTTGGNTTGGANAACCTCCCCAAGG
GGCTGGANGTCAANTTNTNTTGGGAAANCCGCNAANAAAACTTGGGGNTTTTTCCCTTTGC

Sequence 1716

CCCTTAGCGTGGTCGCGGCCGAGGTACAAGCGTGCCCTGCAGGTGGCACACAAAGCTGAG
ATATTGTCACCTTTGGGAGCACTGTATTACAACACTGGCCGATACGAAGAGGCTTTGCAG
ATTTACCAGGAAGCTGCAGCACTTCAGCCTTCTCAGAGGGAGCTCCGCTTGGCACTGGCT
CAGGTTTTGGCCGTGATGGGTGAGACAAAAGAGCTGAAAAGATGACCAATCACATTTGT
GTCAGAAGAGACCGGATGCCTTTGAATGCTATCCGCCTCTTGTCAAGCCCTTCTATAGCA
AGCAAGGAGAACCACGACAAGGGCACCTTGNTGCTNNTAGACAANGCTTCTCCAGCTGAA
ACCCAAANGGACCCAAAAAGTCATTTTCTGAACTTTTTTTTNCAAAAAGG

Sequence 1717

CCCTTTGAGCGGCCGCCCGGGCAGGTACAGGCTTTGATGTAGGACCGTCTACGTCATGA
GTGAAGAGCGGTAAAGTGCCAGGGTGTCTGGTGACAGAGTGAATAAGAACATGGTATAA
GATGAGGTATGACTATATTGTGTAGAACCCTTATAAGCCACTTTAATGATTTGGGTTTT
GTTCTAGACGGGAAACCATT

Sequence 1718

CCCTTAGCGTGGTCGCGGCCGAGGTACTGTCACTGTGTACACAGGTTAGTGAGGCTTGA
AGCCCTTGCTTTTTACACTTACAGTTGGTATTCCTGCAGCACTTGAAGTGATCATGCCT
TTTTCTAGAAGAGTTACCTACAGCAGAAGTGTTAAATGGAAGAGATTTACTTCCACTAT
TNCTGGGGGGATTCTTGTTACCTTGGCTTACCTGAGGACCTACAGTTCTACATTTACT

Sequence 1719

CCCTTTGAGCGGCCGCCCGGGCAGGTACTCTTCCCTTCCAGAGGTTTCCCATGCCCTCT
TTTGGACTTGATGGGGGTCAATTTGGGACAATAAGGCCTGATACTCCTTGGACTTAGGAA
GCGAGAGAGCAGGAATCAAGAAAAGCTTTTGTGTTTTTGGTTTGTGTAAGAAAATATGA
TGGATTGAGATAAAATTTTCAAAATAGGCCCAATGAAGAAGAGCAGATTCAAGGAGTAA
AGGATTATT

Sequence 1720

GATATCTGCAGAAATTCGCCCTTAGCCGTGGTCGCGGCCCGAGGTACTTCTATACAGTGG
GAATGCTACTCAGCAATGAAAAAGAAAAGATGCAACAACCTGGATAGACCTCAAANGCT
TATGTATAGTAAAAAGGTCAACCCTTAAAAAGGTATATATTATATGATTGCATTTATATA
ACATTCTCAAAATAAAAAAACTATAGAGGATGAAGAATAGACTAGTGATTTCCANGGG
CACAGGGACAGGGTAAGGAAAAGAATTGGTAGACCAATGTGAATGCCAAAGAAGGTCTTC
TGGTGTGGATGGGAACCACTGTATCTTGGATTGGGGGTAGTGGGCTTCTCAAATC
TATGTATGGGAATAAATTAATTAATAATTAACCTTATACCCNCCAAATNACTGCAGGT
TTAAAAATGGTTTAAAAAAAATGGTTGNAAACTAAGTTAAAAATATTTAAGTCTAGC
CTAACCAATAAATGAACCAATGTCAACTTAAGTTTNGGGGTATTATACCAGCTAAAA
TAAGAATGTCATTCAATGGGNCCAGGCCGTGGGTGGCTTACACCCCTATAATCTCAACC
ACTTTTGGGGANGCCCA

Sequence 1721

CCCTTTGAGCGGCCGCCCGGGCAGGTACCCCCAGAGATTATTCAATCATTGCTTATGA
CTGTGGCAAACAATTTTGTACCGACAAGAACTCTGGAGAAGTCATGACAGTAGGAATCA

Table 2

ATGCTATAAAGGAGATAACAGCTCGATGTCCTCTGGCCATGACTGAAGAACTTCTCCAAG
ACCTGGCTCAGTATAAAACACACAAGGATAAGAATGTAATGATGTCTGCTAGAACTTTGA
TTCACCTCTTCCGAACACTGAATCCTCAGATGCTGCAGAAGAAATTCCGGG

Sequence 1722

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCATAGATCACTGGTAGGGGAAACAAAAGCAA
AAGCAAAACAAAACAAAACAATAGATCCTGATGACACAGGTCTATTTATACAAACGATTG
AAGCAAAAATCAATTGTAAC.TGTATCAAGTTTATGCAGGGAGAAATGACAATTCTATGTC
ATGTGACTAGACAATATGGTGACAGATGGGTTTTGGAAAGCTTCAAAATAATTGGTGTAT
GTTTAAACAGCTCATAGTGCCCATACACATACCGTATGGGCCCCGCCAATTATTTCTTTC
CAGTTTCTGTTGCCAAAATGCTTGAATTCAACCAACC

Sequence 1723

CCCTTTCGAGCGGCCGCCCGGGCAGGTACAAAAGCTGAGGGAAAAAGTTTCAGCTTCAA
GCATTAACGTTTTAGTTCATAATCTGAAGGAAAAATAAGAGAAAAATAAGGCATTAAAG
GATATGAAACAATGTAAAAATGAATATTTCTTTTATGAATCCTTGTGAATATATGACAGT
ATCAAAGCTCAGAAAAGTAGTTTACTGGGGAGGATCACGAAGGTCAGGAGATCTAAGACC
ATCTGGCTAACACGGCGAAACCCCTCTTCTCTACTAAAAAATACCAAAAATTAGCCAGGAG
TGGTGGCGGGCACCTGTAGTNCCAACTACTAATGGGGCTGANGCAAGAAAATGGTGTGAA
CCCCGGAGTCAAAAGGTTGCNGTGAGCCCAATCGCNCCCCTTGGACTTCAACCTGGGCG
ACAGAAAANAGACTTTGGCTTCAAAAAAAAAAAAAAAAAAAGGAAAGGAAAAAAGGAAA
CCGGTTTAAG

Sequence 1724

CCCTTAGCGTGGTCGCGGCCGAGGTACAGGTAAGGGGGAAGTTCCAAAGCTGTTAGTCAC
CTTGTTTTTCATGCTGATCACCCAACAGATCTANTGTTTGTGTTCTAAGAACTTTAATGT
TTTGAGGAAATATCTTGTGGCCTTCAAAAATCATTCTGTGAAATAGTTGTTTCTACCT
ACATTCGTCTCATTAATTTTTCTACATACAGCAGAATTCTGCATATATTAGAGGTAATC
AGTCAGGGTGTATGGAGGAAGGTGACCCATGGTTCACCATCTTGCCAATAGAAAAACCA
ATAGGAAGTCATCTAACCATCATTCGGAGGGATTGAGGTCTGTCATAGGGAGAACAACT
AAAGAACTGGACTTTTGCTTTCAGTCAAGATGGAGTAACAGGGACTAAATTTACCCTNCC
ACCTGAA

Sequence 1725

CCCTTAGCGTGGTCGCGGCCGAGGTACTGCCCCGAGAGGGCCTGGGTGAAGGGGCCACC
CANCAAGGATGGCAATGTGTATGGGAGGAGAGCCGCTTGCTTCTAGAGGCTGAATGCCT
GTCAAATGGAGAAGGCTTNCATTTACTTCANAAAGCTACACTGACTCTACTAAAAGGCC
CTTTCCTGCTGGCTTTTAGGAAAAGAGAGAATCCCTCATCAGTCTNAAAATCACAAGCA
ACAGAAATGGGAAATCGTTTTCTAAAGAAATGAAATGTGTTGAATTCANTAATACTCTT
TCATCTTCCCTTANC

Sequence 1726

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTG
CCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCT
GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGC
GGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGT
CCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGT
CTCTTCTGTCCCGCTGGAAACCCATGGGTCCACTGAAAGTTCCTTATGCTACTTTTCACT
GAGCATTCATGAAATACACCCAGTGGAGAAAAATTCTTGA

Sequence 1727

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGACACATTCAGAGGTGAGCCCAGAGC
GGGTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCC
CTGTATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAG

Table 2

GAATGTCAAAATGTCATGTTCAATTTTACATTGCTGCTGGAATCTTTTCTTCACAATT
GAAATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAAT
ACTACATAAGAAGCAAGACCACAGACTCAAGACGGACATAATTGGATTTTTTTTGCATG
GCCTGGAAA

Sequence 1728

CCCTTTGAGCGGCCCGCCCGGGCAGGTACCAGAACACAAGAGCAAACAACCAGGGGTTTT
GAAACTAAAAGTTAAAGCAAAGTAATCCCTGCTCAATTTCTGCTCTTTTCCACTAAGTT
ACATGCCTCCCAAACAATCCATAAAATAATCTATCAAAGGAATCAAAGATAATGTTGAAGT
ATTACCTGTGGCACTTAAGAAGCTGCTAGAAAAATTTGATCTTTCAGAGAATGCTGGTGAG
AATAAGTAAATGCTAGAGAAGGTCTCAAGTTGTAAGACTTCATGATTTCAAATACACAAA
TACAAAGAATAAAAAATGGTAAATTTTTTCAAATATACCTAAACACTCATNTTTTCAAGA
TTTAATATGAAGCATTTTTTGGTCAAAGAAAACATTTTCTCCAATTACAGTATCTTTTAA
AAAGACNGAGTGAAAAACAAAAAAG

Sequence 1729

CCCTTCGAGCGGCCCGCCCGGGCAGGTACGCGGGAAGTGCAGTTTCTGCGCGCTCAGAC
GTCTGATGCTTTGCTTGCTTTGTAAAGTCAGGTATCTTTTCTGCATGAAGCCTTTGAA
AATTAACGGTTAATTGGTTTACAGAGCAGTATTGCAGTTCTTTTGTGAGGATGCAGAAA
CTTGTGTAATAGCTTTTACCTGTAAATCTGTCGGGATGTTGAGTATAGAACAACAAAT
AAGGTGTATGGCACTGCTTTTACAA

Sequence 1730

CCCTTCGAGCGGCCCGCCCGGGCAGGTACTTTTAATACACCATCCTGGTGGATCTGGCGC
AAGGGAAGTCCACACAGAAAAACACTGCCCTCACGTTATGAAAGGATTCAACATTATTCT
CTCTTTTGAAAGATAATTGGCTTCAAAGAATAATTGAAAGTTAGAACTTGGGTCTTTTA
CAGAACCAGGTAATATCTCTACTACTCTTTTGGGAATTAGTCTTGAAGTGCAGCCACTGT
GAAAGCTTCTGGTGTTATTTAAATTAATTCTTGATTGTTATTAACTTTCCACATGGTT
TTGTTTATCTCCTCAACTANGGTTTGTGTTCTGAGNAGGCAAGAACTATGCTTATATAT
TTTTANAAAATATTTTCCACCATTATTTTAGCACTCTTATTAAATATTTATTNAGGCCCT
CAATAAACATACTGGTGAATTTTGGNTAAAAAAGCCANGCCNTNAAATTTGCTTTTTTAA
AAA

Sequence 1731

CCCTTAGCGTGGTCGCGGCCGAGGACAAGTACATCTCATCACTGAAGTGTTATGAATTG
ATCAGCTTGGATATACACTTAGGTGATAATACTAAATATGAATATTCGTTTTTTCCATA
ACCATAGGGTGTAAATCATATGCCTATGATTCTGTATCCTCTACTTTATCCATCTGAATGC
TTCTCGATCCCACTCATGCAAGATGTGTAAGTCACTCATGGAATAATCTATACTAAGCT
TTCAATATTGACATATTTATATAAAAAATTTATTGCAATAGATTAATAAACATAAAGTAA
CTTTTTTTATATTGCTAAGTCACCACAATATTTTATCTTAAAAAGCAATCTTATTATTCAA
GTATAAAATTTCAAGTATTTTTTCAGGATCCCTACAATTCGCCTGGTTTTTGGGTGGATCA
TTTAGTCTTATAAATAAATTTTTTNGGGGAATGGGCAATTTT

Sequence 1732

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGACTCTTTCTTGAAGTCCAAAGGAGAAT
CCTCAAAGAATCTCTGAAGAAAATTTGACTCCACTGATTACCATCTGTTGGTGACACTCT
GCTTCAATTATTCTTTGTTCTGAACTCCAAGGACTGTTTTAAGTTCTACAATGTCTGGCA
GATTGAGGAACAAAGATAAGGGAGAACAAAGCAGAACTGGTCAGAGGGCAAATCCAGACA
GAACCTTTGACTTGGTGTTGAAAGTGAAATGTCATGCCTCTGAAAATGAAGATCCTGTGG
TATTGTGGAAATTTCCAGAGGACTTTGGAGACCAGGAAATACTACAGAGTGTGCCAAAGT
TCTGTTTTCCCTTTGACGTTGAAAGGGTGTCTCANAATCAAGTTGGACAGCACTTTACCT
TTGTACTTGACAGACATTGAAAGTAAACAGAGATTTGGATTTTTGCAAAGTACGTCAGG
GANGCCCAATTTGGTTTATGCATNCTTAAGGTGANTATTTTGTAGTAAAAAAAATTNAG
ATGCNAAAATANGGTAACATNNTTCTCTAATTGGACCTTTGGTATGCCTTGGGGATTGA

Table 2

AANAAAAAACTTTGTTTTTTTTTAAAAACNAANGTTGGNAAAAAAATTT

Sequence 1733

CCCTTAGCGTGGTCGCGGCCGAGGTACCTGTAAATCTCTCAGCTAAGTTAAGCTATAAAT
TTGATTAGGNNGACTTGGGCAAATGCACCATAAAGTCCTTTCCAGAGAAGGAGTTCACCT
TTCATAGGTTNTACTTGAAGGAATTGTCCAAGAAGGTTTACTGTA'AAAAGGAAATTGAAC
ACAGAAGGAATGAAAAGTAAAAATTAACCTAAATTTGCAGAAGAAAACACTACAGAAA
ATTTTTGTGACCTGGGGTTTGGCAAAGATTTCTTAAATATGACACCAGAAGCACAGTCTA
TAATGAACGTATTAGTTTATTGGGTT

Sequence 1734

CCCTTAGCGTGGTCGCGGCCGAGGTACAGGTAAGGGGGAAGTTCCAAAGCTGTTAGTCAC
CTTGTTTTCATGCTGATCACCCAACCAGATCTAATGTTTGATGTTCTAAGAAGCTTTAATG
TTTTGGAGGAAATATCTTGTTGGCCTTCAAAAAATCATTCTGTGAAATAGTTGTTCTACC
TACATTCGTCTCATTAAATTTTTCTACATACAGCAGAATTCTGCATATATTAGAGGTAAT
CANTCAGGGTGTGATGGANGAAGGTGACCCATGGTTCACCATCTTGCCNATNNAAAAACC
AATANGAAGTCATCTAACCATCATTGCGAGGGATTGAGGTCTTGTCATAGGGGAGAACCA
A

Sequence 1735

CCCTTAGCGTGGTCGCGGCCGAGGTACCCGTGACTTATTGCACTTGAAAAGTCACACACG
ATGAACATTCTGGCAAGAGCTGCAGTGCTTTCAGGGACACAGCAGTGTGTTTCTG
CTGGCAATGGACAAGCATTGCGTGAGAACCAAGGTGCAGGGTGTAGGGAGACAGACCCA
NGGTCTGGAGGCATAGAGCTTCCATGACAGACTAGGAAGGGAAATGGTGAGAGTCACACA
TAAATAAGGACAAGTTCACCAACAACAAGATCATTATGGTGAGACACAATCCAAAAACAA
GTAAGACNAATTCAAAAATAAAA

Sequence 1736

CCCTTAGCGTGGTCGCGGCCGAGGTACNCGGGGGCTCGCGGCCACGTGACCGACGCCAAC
ATGGCGGCGCCCAAGTGGCGTCCACCTGCTCGTCCGCAGAGGTTCTCATAGAATTTCTCT
TCACCACTCAATCATATCTACTTACACAAGCAGTCAAGCAGTCAACAAAGAANAATTTCT
TTTTTTCGGAGACAAAGAGATATTTACACAGTATAGTTTTGCCGGCTGCAGTTCTTCA
GCTCATCCGGTTCCTAAGCACATAAAGA

Sequence 1737

AGCGGNCGGCCGGGCAGGTACNNGGAAAAGTGATGACAGCGTGAATATGTAGAGTTATAT
AAACTATGTAAAAAGTCNTAAAAATGTGAGNAGGAGTGAATTTGTCACTCGATTTCTTT
TCCCTTAACCACTCTACTTTCTTCTCTCTCCATCTGTAATGCTATGCAGTAACTTCAG

Sequence 1738

CCCTTAGCGTGGTCGCGGCCGAGGTACCCAGAGAGCCAGAAGGCTGTTGGTGAGATGGAG
CAGTCACTGAGCGGGTCAACAGGAGAACTTACTTTATGAGATCTGCTGCTAATTTCTGAC
TTTGGGCAAGTCACCTCACAGTCTGGGGCTAAGATTCACTCCTCATCAGTAAATGAAT
ACTTTGGATGAGACGGGAGGTTTTCCCATTTCTGATGCTAGGATCTTGTTTCATGAGTTAAT
GAAGACAGTTGAGGAAGGTAAGGAGCTATTTCTACTTGATTAGTGAGGCTTCAGTCTATT
TCAACATTTCAAAGTTTTTTCATGATAATT

Sequence 1739

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TATNGAAAAATTNTAANGTNGTTNATTNANNANCTANATTTNNGAANNATNTTTTAATA
TNTCNATTTTNTNNAATTTTGCTAATNTTAANATGGGATTNAACTANNAAAGCATAAATAT
NTNNAAAAAAANATNATTTTAAANNAANANNATNATTTTANAGNANGTCAATNTCAN
CTTTAAAAAAATTTGCTACCAAAAAANTTTAAATCAAAANACATATATTTAAAAA

Sequence 1740

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGACACATTGAGAGGTGAGCCAGAGCGGG
TAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCTG

Table 2

TATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAA
TGTCAAAATGTCATGTTCAATTTTACATTTCAGTGCCTGGAATCTTTTCTTCACAATTGAA
ATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACT
ACATAAGAAGCAA

Sequence 1741

CCCTTAGCGGCCGCCCGGGCAGGTACTAAATGTGGAGCTCACAAACAATTTAGAGCCGG
TCTGGTGGACTTGTGGTCCGAAGACCTGGGTTGTGCCCTGGCTTCCCTCTGGCTG
TGGAGCCACAGGCCTGTAACCTAAGCTTCACTCGGCTCCATTTGGGCAGTCAGGGCCGTG
AGACCCCTTTGCAAGGTGGTTGTGACTGCGGCGTGAGAGAATGTACATGAAGGTGCTTT
TCGAGTATACAATGCACTTGTTAGCAGTGCTTGGCCTTTTCAGTGTAACATA

Sequence 1742

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGACATTCAGAGGTGAGTCCAGAGCGGGT
AAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCTGT
ATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAAT
GTCAAAATGTCATGTTCAATTTTACATTTCAGTGCCTGGAATCTTTTCTTCACAATTGAAA
TGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATA

Sequence 1743

CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGGACTAACAAATCAACCAGGTCTCTGTTG
AGCTCTGGGTTTATTGATAAACTGGAAGAAAGCAGAAGGGAAAAAGACAAAGAAAGTAAAA
TATGGGGTTAATCAGGTGAACCTAAGCAGGTGTGAAAGTGGAAGGGAAAGTAGATTATGAT
GGAGTTATGGATCTAAAGGAAAGTTGGGACAAGAAATGTGTGAGATCTGGTCTAGGGGAC
CAATACTAAGGAGAGAGGTTTAGAACATGAGGATAGGAGGCTGGGAACACAATTGTGATA
CTTAAATTAGAAAATGAAA

Sequence 1744

CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGTCAGTCAGTGGTTCATTGCTGACGAA
GTCACTTTTAAGTCATGTTTTAGAAGAACTACCAAGTGTGGCAGGTGAGGCATGTGGCAG
GACTGTTTCTGAGCACAGATGAATGGATGAGCACCTGGCCCCACTGTGCCAGTTGGTCT
AGCTTCCCACTTGGCCACCTACGGTCTGCTGTGTGGACCTTGTCTGGCAGTCTCCTTTAA
TTTATTTTTATTATTTTTTCTTTTTGAGATGGAGTCTTGCTT

Sequence 1745

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGACATTCAGAGGTGAGCCCAGAGGGGGT
AAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCTGT
ATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAAT
GTCAAAATGTCATGTTCAATTTTACATTTCAGTGCCTGGAATCTTTTCTTCACAATTGAAA
TGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTA
CATAAGAAGCAAGACCAC

Sequence 1746

CCCTTTGAGCGGCCGCCCGGGCAGGTACGTTATTTATTCCTTATTTCAAAAAAATAC
TTTTGTGAACAGGTGAGAAAAGGAAAAAAGAGAAGGAAGGGAATATCCTAAGGAATAG
AGGCCACAATTAGAAGAATGATAGAAAGAATATGCAGGTTACTAGTCAAACAATTAGAGA
ATATTTACCAGGAATAAATGGTGTGTGAATCAACTTCTTAGAATTCTAGACTAGTGATAT
TAAATTAAGAAAACTCTAAGTAAACCCACATATCCTTTGTTGTGCTGGGCAATAATGAT
ACGTGTGTTTAAATT

Sequence 1747

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGACCGTAATTTAAATAGGCTAAGTTTAA
AGGATTATGATGCTGTGATAGAACAATATAAATATGTTTAGAGAATCTAACTATTCTAG
GGCTGAGGGCGAGTAGCCAAAGTAGGACAAAGTTGGAAGAGAGTCCCCCTCTGGTGTTC
GACTTTATTGGAGAAGTTGTGGCTGCACGACACTGGATGATGTGGAAGTTTGCTGGCGTG
CCTCGGGCCAGAGCTGGTTTAGAATTGTCTGATAAACAGGAAACGGTCTCTGGGA

Table 2

Sequence 1748

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTCTAGCCTGGGCGACAGAACGAGACTCTGTC
TCCAAAAACAAACAAACAAACACAGAAATCTGGGAATAAAAGTATTTTTGAAACATGT
AGATCCTCTTTTATTAAGAAAGAGGCAGACATCTCACACTTAGGAAAATCTCAACCCTTA
AAGAGAGAAATGAAATAGAAATTTTACAAATCAAAACAAAAGTAAAAAAATCAAAAATA
ACAGATTTTTATCAAAGAAATTTAAATTTTACAGATTTAACGTGGAAAATATCTGAAAATG
TTGTGATTATGAATAAGCCTTATGACATTTCTGCATCACTTCCTGACTTATAGACCTATT
TCTCTAAATTGATATTCATTCTACACCAATGAACCACTAAAGGCCTTGGTCATCAAGATT
CCAGAGGGGGATTTCTATTCATATTTTGTCTATGAATCACCAACTGNATGAAAAGGTAGT
TTTTCCATTTCTGNAAATATAAGTTTAATAAAAAATACACCCCNCGTTAACACNCCCGGGC
CCAATGNCTTAGTCAAATTACCAACCTTTAGCCATGTTTTTCTATCCCAAAAAATTCAT
TTTGGTTTTTGGGGGACAGNGGGNGGAATGNAAAACCATTTAATTTACCTTAATTTTTT
ATTT

Sequence 1749

CCCTTAGCGTGGTCGCGGCCGAGGTACTTCTAAATAATATGTGAATTACAGAATTATTTA
TCTCAAAATAAATTTAAAAATAGGTAACACTAAACAAATATGTAACAACTTATGAAA
GTTTGTAGAATATAGTAAAGTAATGATTAGTGAGAAATGTATAGCATTAAAGTCATATA
TTCGAAAATATTAAGACGTAATAATCAAGTGTCAGCAACTAGAGAAAAAGACCAAGTT
AAACATAAAACAAGGAGAATAAAATAAATAAAGGGGAGAAAATCATTGAAATGGAA
AATTGGAACAATTTAAAAATCAACAAACTAACATTGTATTCTTTGAAAAGATCTGAA
AATTTCTAATCCTCAATCCAAGCCAGTCCAGCCACAAACAAATAGAGAAGACAAAAATT
TATNAACCAGAAATAAAAGAAAAAAGAGTAGTCATTACTTTCTATATCATGTATATTA
AAAGGATTATAAGAAGTACCTGCCCGGGCGGCCGCTCGAA

Sequence 1750

CCCTTTCGAGCGGCCGCCCGGGCAGGTACACAGCATGCAGGCCGACGCTGGGCCCCCTGC
CAGGCAAGATGTAGGGTGTGAGGTTGTGCTCTGCCCCATTCACTCTGGAACAGCTCCGCC
CTTGAGTCCAGGATATTTTCTCAGTGCCTCCACGCATTTGACCATCCAGAAAACATCCCA
ACTCAGTGTGCCTCGGCCACCATAAATCAGCCAACACACATGCTGCCCTCAATGCTTCT
GAATATCAAGGGAAAGGATCTGCCTCATCTGCCCTGCTCCTGAGGCTTGCGCATTGACG
TTTGAGTTATGTCATTATTTTTTAAGTGATAGAAATCTAGTCAATGATTTGTAGCAATC
ACCACTGTGCAACGTATGCCAAAAACTCTGTCTATCCTTACAGAAGGAGGGAGAAACCT
AGCAAATTAGTCTGACTTCCTTGACACAATTCTGTGATGGGCCAGTATTAGGTAAGGCTA
AATCAGGTGCTGTGATTAAGATTATGACAATGTGAAAAGTCAGTCATTACATAAAT
TAGAAAATGTTTTCAAG

Sequence 1751

CGCGGCCGAGGTACAGTGCACACACACACAAGCTCATGCATCCATACGCACAAGGTGC
TGGTAAGCATGGCTGCTCAGCTCAGGATTCTCAGATCCAGCAGTGCAGAAAGTCCTCAGC
TTTGTCTGTATACATGTCCACCAAGACAGGCTTGCAATTTGTATTTTAACCACTGGTAA
GGGTCTAGGAGCCAATAGAAACCACAGAACTAAAATTACCAGGTTCAAATTGCTGGACAA
ACTTTAGACAAGGATGAATAGAAAATGAATGGTAGACAAACAGAAGCTAATGCTAAGAT
GCAATTTTATAGCTGGATGATCTCTAGTTTCTTTTATAACTTGATGAGTCCCTTTTTC
ATGTTCCCAGAAAGAAGGCTCCAAAGAACTTAGGAGATTCTACCCAGGGAAAACAGAATG
CNAGCAGCTCGGGCTGTTTGAATATGCTAGACTGTCTTNCAGACCAGTTTANGTTAGAGG
ACAGAAAAATGAGAAGACAGGGCCTGTACCTGCCCGGGCGGGCCGCTCGAAAAGGGG

Sequence 1752

GAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTCTTTTTTTTTTTTTTTTGGATTTTAG
TAGAGACTAGGTTTTACCGTGTTAGCCAGGATGGTCTGGATTTCTGACCTCGTGATCCG
TCCGCCCTCGGCATCCCAAAGTGTTGGGATTACAGGCGTGAGCCACGGAGCTCGGCCATAG
GCCTGTTTCTTATTCTATATTCCTGTAAATGTAAACCTCCTGAGATTGGAAGACAATCAG

Table 2

TTTACAGGGTAAGAATTGTTTAAATTATGTGGCAGCTTTTCTCCAAACATGAAGAGAAA
CATTAGAAATACGTTTAATAAAATTCTCTATTATTTGNTTCTTTTCAGTTAATATAATT
TTCTCGACTTATTGA

Sequence 1753

GGTACCAAAACTTGTCGGAAAATTATAGCTAAAGTTTTCTCACTTTTCTGTCTTTCTCA
CTACTGGGAAGGCATTAGGAATGGAATTATCTGAGCATGCAGAATTGTGTTTTATTGCA
ATAGGTGAGTATTAACAAAAATGCATAGGTGTGCATCTATAAAATTTATCATATACACTC
AGTATAGACAAATACTTATGAAACATTAGAAAAATCAGCTGAATACCTTGTTAATACACAG
TATCATTCAGCATAATTGAGTTTCTAAATTTTAATAAGTTCTCAGGCGATGCTGATACCA
GTGGT

Sequence 1754

GGTACAGAGAACAGGGTGGGTGGAAGATCGCTGAGAGGGAAGAAGACATTTTGGCTGCTC
AGGAGCAGCAGCAAAGGGAAGAGGACCAACTGCTTCCAGGAAAAAGTGAGCGAGGCACAA
TTTATATATGCTGATTAAAGTTATGAACTGTATAATTAAGTCTTCTTAAGAGATAAGATG
CAAGTCAGCAGTGAGATAGGCACACATAACACACAGAGGGGATTAGAAAAGAATTCCAGG
CTACCACTTAGAATTGATTTCTCTCTCTCCATTTTCTCTCTTCTCAGTCCTTACCTAA
CCGTTTCATCTCTTCCACATACACCGCGGCAGAACAAAGACATGGCCCAGAGATATAAATGG
ACAGTGCCCAATTAGCAGAGTACCTGCCCGGGCGGCCCGCTCGAAAGGGCGAAT

Sequence 1755

GGCCGAGGTACTATAGGTTAAATTATGCTTTTTTGGATCCTTTGCAAAGCAAAAGCCTGA
TCTGACATGGTTGACTTAAAACTTGGTGCAGGTTGTTTCAGCAATGTGGATGGAGAAGC
ATATAGGAGTTTATTACTGATTACCTGGATGTGGAGAAGTGACAGCTATATGTGCTTTAC
AGGAAAGATGGCGTGGGTTTTATTATACACAGCCTTGCCTAGAAAGGGTAAGAGATGGT
TTGTAGGGACACATAAAAAATAAGGTCATGTAAATCAGAAGTAGGTGGGAATGTCTACAG
TAATTCTCTTCATTTTAAAAATTTTAGGTAAGTAAATACTTTTACGTCTATAGGTTGGT
TGCTTGCCATATTGCTTGCCATTATTACAAGAGGGGAATGTTAATAGTTTATCGTATTTT
ATAAAGTATTTCTTGAAATATATTTCCAGGTAAATTAGTTTAAAGTATTAATCAGTTTGA
TTTGGGGAAC

Sequence 1756

CCCTTAGCGTGGTCGCGGCCGAGGTACAGGTCATGGTGAGCAGGTGTTCTGAGGGAAGAC
AAAGGAAAAGCAGAGGGAGTGTTGACAATTCTGAGCTTCCATATGGCAGACATTCGGGGC
CTGTTGGCATGGTCCTCAGAGCAGCAACAACAGCATCAATTGAGGTTTCAATAAATGCAG
AATCGCAGGTTTCATGTGGACCTACTGAATCAGAACCTGCATTCTAACACAGTTTTAGT
GGTCTTCCGCACATTAAAGTTTGAAGGCACTGGTCTGGAGGAGGAGGCTCTACAAAAG
GGTTGGGTATTGAGGAGCCGAAAAGACAACCTGGAAGTGAAGTCCAGGGATGACCTGA
AAACAAGCATTTCAAAGCTCAGAAAAGCAAGATTTTAACTACTCTCATTTTATATTATC
GCAACTACATGTTCAAGATTTTACAAAATAGTCTCAGTTTTCAAACACTCTGTTTCCCTT
TTGCAGATCATGGTATTATGGATGGNCTTGGGGCCACAAGGATAGACCCATGGGTATTTG
GGAATGAGTATGCAGAGGGGTAAGAATACTGGAAAAATTTGTTATTATTGTGGGGTATNGG
NGACCGGGCTTAGTTTANCATGAAAGGACCTGCTTGANTTGTTTTGGGGGTTGGTCCCGG
CTTGATCCNTNTTGAACCACCTGAAAAAATT

Sequence 1757

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCAAGTGTCGCCAAACCACCAAATTCTGAATG
CCCTGAGCTGGCTGAATGTAGACCAAAGACTGGGTGGCTGACCATGGGAAGGCACTCGA
CACTGTGGACAGGTTAAACGTTGATCCCCAGCTGTTCTGAATAAATGTCCACATGGGTT
GATTGTAGAGCTAAGTGAAGCAACTCCAGTGAAAAGGCCACCTTTTGAACTACTGAAGC
CACAGAAGGTGTGAAGATGAAGTTGGTGTAGTAGAGGAGGCTGCTGAGGATGGTAACCG
TTCTCCAGACTCCATATTGTGATCAATGTGGTCAATCTTGTGACATCACTTGTTGGGAAA
CCTTTACTCTCGAACTGAGAAGTTGCGGGGAGAATGAANATTTTTGCCCTTTTCCCA

Table 2

NAATNGGTTGAANGGTTAAGAANTTTTTGGGAAAACCCACCACCCTCCCTTAANTTTCC
TATTTAATTA

Sequence 1758

ACCCTGACCCATGAACACCTGGCCATGACCTTTGACTGCTGTTACTGTCCACCTCCCCCG
TGCCAGGAAGCTATTTCCAAAGAACCTATCGTGATGAAAAATTTATATTGGATTGAGAAA
AACGCCTATTCCCATAAAGAAAAACCTTCAATTAATCAGGAGACAGAAGCCATAAAGGAA
GAACTGTTGTATTTTAAAGCTAATGGTGGAGGGGCTTTGGTGGAAAACACAACCACTGGG
ATTAGCCGAGACACACAGACGTTGAAGAGGCTTGCAGAAGAGACTGGCGTCCATATCATA
TCTGGAGCCGGGTTTTATG

Sequence 1759

CCCTTAGCGTGGGCGCGGCCGAGGTACCCCCCTTTTTTTCAGATCAGAACACTGAGGC
TCAGGGAGGCAAATTAACCTTCTCAAATGGAGCCAAAATCGGAACNAGCATGAGTTCTGG
ATTTTATGCTNCACACATTTATAAACTAGGAAATTTACCCCTTGAATGGGAATTTCTGGC
TTGAAATGTTGGAAGGTCTCAACCCCTGTGTTGAGTTCTCACTGGGCAGGAGCTGAGTCG
AGGCTGCTCTGCATCCTCTCCTGTCTCCTCTTGACTTGCTCCACTCACTCTACTGAGCCT
GGG

Sequence 1760

CCCTTAGCGTGGTTCGCGGCCGAGGTACAGGCGGAGGGGGCAGAACTGACATCATGGAGT
GTCAGGCACGGTGCTGGTGCTATGCATACACTCAACAAGGGCCTGGGTAATGCAACATGG
AGAAGGGAAGCTGGGGGGCAGAACATTTTGTCTGTGAAAGCCTTTCACAGAGAGGCC
CTGAACCCATAGCTCTCCTTCTCTGAGGACAGAAAAGGAGGAAGTGTGTCTGTCTGCCAN
TATGTGGGATGGATAGATGGATGCGAAATTAAGCACTGAAGTGGGTTGCTTGAGAGGCA
ATGACTGCCCCCTGCCCTCACCTGAAAATCCTTAAAGACANAAGGGATCATCCGCCANG
AAGCTGAGGCTGCAGGATAAGCTGGCCTTTTCTGAACAGTGACAGTTGGAGCGTTCACC
CTCACTGNNTTGTGAGAGTTACAGGCCAAGAAAGGAGAA

Sequence 1761

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTGCCAGATCACAGGGGCTGAAAGAGAACTCT
GCTCAAGGATCTGTCAAAGGTGAGAAGGAAAAACACTTTTGATGATCAAGAAGGATCCA
AAAAGGAGCAACTATGCAGATGAGAGCATTTCCATTAGTCTTAAAAAAAAAAGACCTAC
TATATATTGATAAATTACTTACTAATTCTAAATTAATCAGGATACATTTACTATATGCTC
TGTGCTGGGTGCTAGAGGGTCAGGTTAGATAGAGATGCAAAGATGACAATAATAAAATG
TAGTGATGATTATAGGTAAGAGGAAAAACAAAGAAGAGAATAATGGAGGAGGCTTAGTAG
GAGC

Sequence 1762

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGACATTGAGAGGTGAGCCCAGAGGGG
GTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCT
GTATGGTCGGGTGCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGA
ATGTCAAATGTGATGTTCAATTTTACATTCAGTGCCTGGAATCTTTCTTTCACAATTG
AAATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTNAGCTCACAAAGGAAATT
ACTACATAAGAAGCAAGACCACAGACTCAANACGGACANTAAATTGGGATTTTTTTNCC
CATGGGCCTGGGAAAAGAA

Sequence 1763

CCCTTAGCGTGGNCGCGGCCGATGTACAAGAATCAAGAACAGCTGGGAATGAACAGCGGC
AATATCACTAGAAAGGAGGGGACACATAGGGAGGCAATGAATAAGTTCATTTAAATTA
AAAAAAAAAATTTGTTGNGTTTTAAAGGAAAGCGAAGTGGANAGAGAAACACACCACTN
ACAACAACAACAACAACAAGCACAGAATNGGATTNGGAGATTTGCCTGAGACANT
GAGTGTAGTTTAATTTTCATCAAGCTCCAGTGTNCTGAAATGA

Sequence 1764

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTAAGGTGCAGTCTCTGCCTTAGAGTTGNAA

Table 2

TCCAGGAAGGGGCTGCAAGAGAGACTCANAAGATGTGGCCTGACAATATATAAGCACAAAT
GTCTGACCCCTTAAAGAATGACAGGATTTCAACAGGCAGACAGGAGAGGAGGAGGAATTCT
AAGCAAAGGCTTTACATGTAAACGGTGAATTCTTAGATAAGATCTGTTTTCTATATACC
AGGAATAGTTTGCTGGCATTGAGGACCNAGGAGTAAGTTCAAATGAAAACCTTTAAATG
TTTCCCCAAAGTGTCATATGAAATTTTAAGGATGTGCCTATGGACTGGGAATAATCAAA
TNACATAAAATANACNTNAGTNACATAANCCATAAAATAATACCATTTTTTTCTACTTT
TAAATTTGGGCCAGAAATATAGCTTGCGGCGNTTCTTAATTGGATAAACTTCAGTTCA
TCACC

Sequence 1765

CCCTTAGCGTGGTCGCGGCCGAGGTACTATACTTGGCCCTCTATAATTCTGGGTGTAATG
TCAGTTGGGTTCAGGCACATTACCTGCAGCAGCAACAAACACCTTCCTATCAAAGTCTCA
ATTTCCCACTCTAAATACCAATATGTCAGTGTTGAAGTTAAATTAGGTTTCTAACCCAA
TGCAGGGAAAAAGAGAATTGATGGCAAAGTCCTTGATATTAATTAGGTGAGTAAATGTTG
AAAATGACATTTTNAACAAATATGAAAAGATAACATGCCGGNCAGGATGTCCANCAAGCC
AAAGAGAAAGGCTTTCCTGAAAAA

Sequence 1766

NGGCCCCGAGGTACNCGGAATCATTCCTTCNACAACTGCTGCATGTCCCTGTGGGTGAAA
CAGAACAATCGCTTGCCCTCTCTGCCAGCAGGACTGGGTGGTCCAAANAATCNAGCAAAT
GAGAGTGGTNNGAAGGCTTCTTAAGCCGCANGTTTGTTCANNAAGCCCTGNGTGGAAT
CCTTGTAATNACAGTGCCCTTACAAAGGCTTANGAACCAACTACCATGGGGGATGAAAT
TTCTTTCAAATAAGGGGGCCCGAANTNGGATCNTGTGGGTCCCTTTGGGGGACTTCAATC
NAAAAAGGCCTTTGGGTTTTTANGNAAATTTTTGGTCAAAGTTTTTTATTNCTTTCA
NGAAAAANTTTTCTTGGGNCAATTTNAAAGNAAAGAATTAATTTTTATTAA

Sequence 1767

CCCTTTGAGCGGCCGCCCGGCGCAGGTACACACAGTTAACCACAAAACAGGCCTCTCTGA
AAAAGCCATTGCCATGGACTGCCAGACAGACAATGACAAGACACAAATACCTTCTGGTGT
GTGAGCCACGGGACATGTGAGCTTCCCCGCTGATGCTCCTCTTATATCAAAGATCACTTT
CACAAGATGAGCGACTCAATATCTTTATCAAACCAATGATCACCTGCAAGCTATGGTAT
ATTTTTGCAGCTGTGTAGAGCTATGTGGCATGAGAATGTGGGACTTATAAATTGCTGATC
CAATAAATAGACATTATGGGCAACAGTGTCTTATCAGCTAGTGTGTAAGGTTTCAGG
AACAGTTGTTCTGACCTTACTATCCAACGAGGAGTAAGTCACTTCTCAGAGGTATA
TTAACCTAATTTGGACATCACAGAATGCCTGAAAAATAATCTTCANGTGCATTAAACCA
GTCCCTGGATCTATTAAAGTNAGCTTATTCACNCNNNNANANANNNGNAAAGTACCT
CGGGCCCGCGACCACGCTTAAGGGGCGAATTCC

Sequence 1768

GGTACAGATGGTGCAGCTTTATAGCTGTCTCAAATACCAAATGCCAACTGCTCCTTTG
ATAAGGCAAGGCGGTGTAAAGTTTTAAATATAGCCTCTTGGTGGAATGTCAGTGAATGAT
GGATCCCAGTTACAAACACACCAAAATATTCTNTGNTTTAAACATTTTTTACAACCATGG
TTGTCAAGGATTCTATTATNCAAGGNAAATTATGCATGGNG

Sequence 1769

ACGCGGGTAAGAGAATCAAGCCAGTTAACTGTTTGGTGAGATCAGGTCTGTGGGATCTGA
GGCTTATACTGGTATTTGGGTCTAACATTTATTTCTAATGTAAGTTTTATTATTCT
TTCTTTAATAGGGAGAGTTTAAATGAGGTATTGGGATTGTTTAAAGGCCTAGTGAATGCCT
GGTGAGAGTGATCCTTGCTAAGAAATCATAAATGAGTAATGCCTTCACTGCACTTCAAGAA
ATGATGAGCTTGTCAAAACAGANGTGAGGAATTTAGTTTGCATCTTAATGAGCAGATACT
CTNTTTCTTNAAAAAAAAAAAAAAAAAAAGG

Sequence 1770

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTGCC
ATGGAAGACTTGAAAGGTCACGTAGCTGANACTTCTGGAGAGACCATTCAAGGCTTCTGG

Table 2

CTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGAC
AAGACTCTCTTGATCTGCAAATACNACTTCATCATACCTGANTTGATGTGCAGCNTGCAG
CCGGGATTCCTCTGAGGCGCTGTCNTATACGCCATCTGCCCTGGGCAANTTTCACNCTTN
CCTTGGGATGGTCCCNTGGACAANGAAGACAAAGGGAGGAAAGGCNCTTTAGGGATNTTA
CTTGGGGGGG

Sequence 1771

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCGCGGGAGTTTTAATTTTTCCAAAGTATCAT
ATGAATGGAATCATGTGATATGTAGCCCATGAATCATGTATATGGGTTTTCACTTAGTA
GAGCACATTTAAGATTCATCATTGNTACTATGTGAATCAATAGCTGGTTCCTTTTATC
TCCGCAGCTCCTACTGCACTGAGGAAGCACGTTGTTCTCCATTTCCCTGGGGGGAGACCA
TTGNATTTGGGCAGTTTGAACCAAAACACCATGGACTGGGGAAGGCTTTACACAACAGG
AAAATTTATTTTCTTTGCTGGGTCNTAGAAGGGCTTGGGGNAAAGCCTCAAGGTGCCATG
GCTGCAATATTTNCATTCTGGAGGG

Sequence 1772

GGTACGCGGGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTNCAGGAGCAGCCCCACG
CCCTGTATGGTGGTGTCTAGAGCCTNACAGCAACTAAANACCAACCCAGCTCTCAGAAG
AAGGAATGTCAAAATTGTCATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTNAC
AATTTGNAAANTGAAATGTGCTGAAGGAGGTGAAATCCATGCATTAATCTTCANCTCACA
AAAGGGGAAAATACCTACCATAAGNAAGCAAAGGACTCACAAGACTCTAAGGACCGGGAC
ATTAAATTGGGATTTTTTTTTTGCCATTGGCCCTGGGAAAAGGAAANGGTACCCTGCCCC
GGGGCGGCCCGCTTCGNAAGGGGCGGNAATTNCAAGCNACACNTGGCCGGGGCCGTTAN
CTAGGTNGGANCCCCGAGGCTTCCGGTTACCCAAAGNCTTTGGGCGNTAAANTCATGGGGT
ACAATTAAGCCCTTGGCNTTCCCTTGTGGGTGGAAAAAATTGGTTTATTNCCCCGNTTCA
ACAAAANTTTCCACCAACCAAAACNAATTAACNGGAGNCCCCGGGGAAAGGCCCATTA
AAAGTNNNTTAAAAANGCCCCCTTGGGGGGGT

Sequence 1773

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTGCCTTGTTCATATCCAACCTAATTTTTTT
GGCTAATTAAGTAATAATAATCAAAACACTTAAGGTTTTAAAGGATGAATGACCAGTTGA
GAGTTACTTCTTATTTGCTCCTAAATCCAATATATTTCTGATCAGTCAATAACACTTAG
AACATCTAGTTATAATTGGTAATACAATTGTTAAAAAATGATAATTAAGGACTAAGA
CTATATATGGTCTTTTGAGGGGATAACAATTGAATTATTTAAACAAAGTATATTAGGATA
ATAAAACACGAGAAGTCAGTCCAGTGGTTCAATCCATTATTCAGAAATTCATTCTGTTTA
TAATTAAGCAACAGTGACCTTCAGGTTAGTCTTCCTTAGCTGTTAACAACCAGCTGGAGA
AGCTGAGGGCTATTTTTGCA

Sequence 1774

CCCTTAGCGTGGTGC CGGCCGAGGTACTTNTTTTGTTCNTTTTTTTTTTTAAGATGGA
GTCTNGCTTTGTCCAGGCTGGANTGCAAGTGGCATGANCTNAGCTCTCTGCAACCTCTG
CCTNCCGGGTTCAAGCGATTCTCCTGCCNAGCCTTCGAGCNAGCTGGGATTACAAGTG
CCGCGCCACCATGCCTGGCTAATTTTTGTATTTTGGTAAGANACGGGGGTTATCACANT
GTATGGCCANGCTGGTNCTTGGAACNATGGACCTTGTTAATCTTGCNCGAACGTTTG
GCCATCCCCAAAAATGCCTGGGGATTACAAGGTGGTGGAGCNCACCCGGGGCCTTGGGN
CTAGTTTTTTTTAATTTTTCNTAAAAANAATAAGCCCCACCNTTTTTAAGTCAAAATNA
GGAATTTTTTTTTATTTTTTAAAAAAAATTTTTTTAAGCTTTTCCCAAAGGCTTTTA
ATGGAAGNNGCTTTCCCCCTTTTACNTTTCCTTTTAAAAA

Sequence 1775

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTCTGTTTCAGGCCCTCACTGGGTGCCGGAGA
TCCACTAGAATACAAGATCTGTTTCTGTGCTTTGAGGGACATGTATCCAGCAATTAGTT
ACATCAGTCCCCTGTAGATGTCAATTCAGTGTCAAAATTTCTTGTTTGCAACGTTGA
GCAAGTTTTTTCAATGTTTCTAAGCCTCAGTTTTTGGCCCTACAAAAATGTGGTAATAA

Table 2

TATTTAACCATTAGTAATGTTGTTGAAAAATTTAAGCAAAAAATACCATGTAATATATTT
TAACCAATGCTTGGTGGTTCGTTAATGGCTTTAATATATGGCTAACCTANCTTTATATTA
ATTTGTTGGTTGTTGGTGTAAACATGCATAAAGGACAGCAAGGGTACCCTT

Sequence 1776

GGTACGCGGGTGAGATGGCAAATAATTTATTAATCATCCAACGTGTGTATCAGACACTAAGA
ATAAGCTGGGAGGCCATGGCAAGTGAGGTCAACACAGTCCCTGCCACAGTGGAGGTTATG
GTATACAGGTAAGGCAGGGAAGAGCACTGCAAAGGGTTTGCCCATTCATCAGTCATTTA
TTTATGCACATGTTGATTCAAACAATTAATTTCTATGCCAAGCTGTCNTTCAAGGTGCCT
GGGAGGGAAAATGAAAGCCGTTACCTGCNCCGGGCGGCNCGCCTCTGAAAAGGGGCCGA
ATTTCCAAGCACCCTGGGCGGGCCGGTTACTAAGNTGGGAATCCCGNAGCNTCGGGTAA
CCAAAAGCCTT

Sequence 1777

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACATGATAATTTTTCTAGTCTAGAGCTGGATGA
GAACCTGCTCCGTTCTGCTACCTTGTCAAACCCACCTACACCCCTGGCAGGGCAGATCCA
GGGGCAGTTNTCTGCCCCAGCCAACGTTGGCCTTACTTCTGCCACTCTGATCAGCCAGAG
TGCACTTGGGGAGAGAGCCTTNCAGGACAGTTTCATTGGACTTTCATGACGGGGCAAGC
CATGCCTTTCCAGAGGCCACAATTTCTTGCCCAAGCTTNGCTTGAAGCCAAGGGGCAGNA
TGACCCTAATTCACCTTACGNACAGNCAAAATACAAGTCAGTTNGATTCAACTNACAAC
CTCTCTTNAACCCNTATGGGNAAGGCCCAATTTATTGAATTAGGTTGGAGGCCATTAA
TGGCCCGNTTTTNCCTTAACCAAGGTGGAACCCATTATTCAACCCTTTTTTCCCCCAAC
AACAAAACAATTCGGTAACCCCT

Sequence 1778

GGTACACTGAGCCTAGAATATCTTGTGGGGTCAAAAGGTAAGGCAGTGCTCAAAAAACAA
CAGTAAATGGCAAAAATACATAGAACCCAACCTGAAGGGCATCCTAATGTAAATCTAG
AAAAATCTGAGCACAAAATGTATTATAGTCATGGGTATAACCAATATAATGAGAAATCCA
AGAGTCCAGACTGATTTTTAAAAAATTGCATTTTTTCAATATAAAAGAAAATATCTTCCT
TATAGTAACATTTTAATTGACAAATGTAGAAGTAATGATGGAAGTAGAAAATCACTGTTT
GGCACACACTGTAGTAATAACTGTTTCAGACAAGAATTATCCACGAATGCTAAAATTAGT
TTTGGTGAAAGGTNTGATGAGAAACAAGGATTCTTACATAGGGTCCAAAGCATCTNCTGA
CAAGATACTTATTATTNACNGGAAAAAATAAG

Sequence 1779

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGACTCCTCACCCAGCATCCATAAAAG
CATGCTGCACCTTTGGCACAGCGCGACTTCCCTGGCCCTCCCCCTGCGGACCAGTGAACC
TCGCCCCAGGGCTCAATAAAGAAGATTTTTGCCCTCTTTTTCTACCTCTCAGCCTTATT
GATCCATGGTGCCCTTCCATTGCCCTTTCATTGGTGCCGAAACCCGGGAGGGGACACCTCC
TAAGCCCCCCCCAGAGGCTCAGGGGGACTCCCTCCTGGTCCGATCAGTCCCTCTCCCTCAG
TCAGGTCAGGCTTCTCCTCCACGGCCATCTGTCCATTTCTGTCGGTTACTTGCTGCCAGG
TCGCAGTTGCTGCAGCTACTCCAGTCCAATTCGGCCGACGCTAGATCAACTTGAGATGCA

Sequence 1780

GCGGCCGAGGNACTCCAGCCTGGCTGACAGAACAAGACCCTGTCTCAAAAACAAAAACAA
AACAAAGTTTCTTGTTTGTTAATCATCAGCTTGTTGATAGAAAACACAGAATTGGAGA
AATATTTACTATTCTTTCTTTCTGCTAATACCACTAATCATTTTCTATGAAAGACCTGT
TCTTTTTTTGGAACCTATGAATAATGTTAGGAAATGGGAACATTGGATGTTTTTAAATGT
ATACCATATAANCTTCCCAAAATTAATTTATTCANGGGTGATCCCAGGTTAGGTTAGG
ACCCTGTGGACCTCTTGAAAGGCCTCCCTGCTTNTCAATCCCTTCCCTTCCCTGCNT
GGNGGAATTTTGGTTGGTCTTTCCCCCTTCTGGCTTCCATTTNCCCCCTTTGGGG

Sequence 1781

TTTTTTTTTTTAAACCTTGGAGAATATGTATTTTCATCTCCAGGATGAGAGCCAACCTA

Table 2

TGTTAGTGAGTAAATAGAGTTAATACTATCCTGTTTTTATTTTTATACCTCTTAAAAA
GGAACAAAAAAACCTTAAATCAAACCTAAATTATTTGNGTCTTTATGTTTTT
TCCATTCTTTAAATGCCAGCTCCAGTGACACTTTNTTTGTGAAACTCTCCCTGCC
AGTCACTCTGAGCAAGAGTTAAGTATACCATAGAAAGATATTTAAATTTCAATCACTCCT
CTAAGACTCCTTCTTATAATCTATTGGAACCATTCCTTCTCTGCTTTCCTACTA

Sequence 1782

ACACAGCATGCAGGCTGCAGCCTGGGCCCCCTGCCAGGCAAGATGTAGGGTGTGAGGTTGT
GCTCTGCCCCATTCACTCTGGAACAGCTCCGCCCTTGAGTCCAGGATATTTCTCAGTGC
CTCCACGCATTTGACCATCCAGAAAACATCCCAACTCAGTGTGCCTCGGCCACCATAAAT
CAGCCAACACACATGCTGCCCTCAATGCTTCTGAATATCAAGGGAAAGGATCTGCCTCA
TCCTGCCCTGCTCCTGAGGCTTGCAGATTGACGCTTGAGTTATGTCATTATTTTTTAAG
TGATAGAAATCTAGTCAATGATTTGTAGCAATCACCCTGTGCAACGTATGCCAAAAAC
TCTGTCTATCCTTACAGAAGGAGGGAGAAACCTAGCAAATTAGTCTGACTTCCTTGACAC
AATTCTGTGGTGGGCCAGTATTAGGTAAAGCTAAAATCAGGTGCTGTGATTAAAGATTA
TGACAATGTGAAAAAGTCAGTCATTACATAAAATTAAGAAAATGTTTTCAAAGGAAACCA
AGAGAGGCACATCCTTGGGAGGTCAAGGGTCCCCAGAGGTCAAGAAGGACAATAAANG
GCATTAAGGTTTAGAAAAGAAATAGGCTGTCACTATCCCCCTTTTTNT

Sequence 1783

CCCTTAGCGTGGTTCGCGGCCGAGGTACGCAACATGACATTGGCTGGTGTAAGATCNTAC
AATTATTTTTAAAGTTTCATTGTATTCATTGATTATATAGTTTCTTGCCATCACAACAA
ACACTCCTATTATGTCTAATTCGATACCTGGTGAGTCCACATAAGCATTGTTGGGTCCCCA
CTGATGAGAGCACCATGGCCAGGTACCCACTTGATCAGGTTCTCTTGCTTTTGTGTG
CATCTCATCTTATTGTAGGCATTCAAACCTGTGGGGCTCAGGCAAGCCTTCCAGTGTGAT
CATATTAAATTTTATA

Sequence 1784

CCCTTAGCGTGGTTCGCGGCCGAGGTACAGTAAAACTTGTGGCCATCTCATCTATGCCTG
CAGGCAACTGAAAAGCAGTGATTTGGACCTTTTCGAGTTTGGATGGGAGTGTGGACAGG
GCGGTTAGGGGGCTGGGCCAGGTCATGTTTCAGTTTCTAAGCCAGGGGTTTACTGTGG
AGTAGGACTGTTTACTCGTTTTCTTAANACTGCTGGGTGCTTTTGCTTGCTCCTTGGCTC
TGGGCCCTCTTTTGGGCTTTCTACANTTTGGGAATGNGCGGGTTTCTNGGGTGGGGG
AACTAAGGNTGNACCCGNTTNGGCCTTGGAATTCTTCNAGCCCTTTCNANCCGTTTNGCC
GGCTTCTTTCTTTTGGGCTTTGGGAATTCTTCNAGCCCTTTCNANCCGTTTNGCC
TTTGGAACCTNTTGNCTTGAANAAGGAATTANNCCNAGGGCNCCATTGGGGNCAAGNCGG
GGCNTGGGTTAAAGGAAAATAANGTTTCAANTTGGGGGGG

Sequence 1785

ACTTTAAGAAGTAATGCCCTTGAGTTAGAAAATCATCATTTTAAATCTCTGATGATATA
ATGGATTTAGGCAATAATCATCAAAAACTAAGTTAAGACTACAACCTGTCAACCAAATA
CCATGTGTAGACCTTGTTGGATATTGACTTAAGCAAATAACCCTACAAAGACACTTTTA
CAATCAAGAAAACTGAATGGGACTGCGCATGGTGGCTCATGCCTATAATCCCAGCACTT
TGGGAGGCAGGTGAATTGCTTGAGCCCAGAAGTTTGAGACTAGCCTGGGCAACATGGTGA
GACCCTGTCTCTAATATAATTTAAAAAAGAAAACTGAATGTGAACGAATATTAGAC
AATATAAAGAATATATTTTGTGTGTTGACAAAGAAAATGTGGTGGTGGTTAAAGGAA
TGGAAAATGACTTATCTGNTTATGTCTGGTTCCCTGGTATTCTATTTGGCCTTTTGAC
TGGTGTAGCCGTATGCATATGTTACCTCTTCAAAATATTGATNTACAGCTTAAAAATGA
GGAGNAAGTTAAATTTNTGGNCTTTTTNAATTTTTNTTACTGNANAACNTAAAGAA
ATCTTTTTAAATNTNCTTTTAAAAATGGTGACCACNNGGNATTTTGGGGATCTTTTGC
TTTTAAAA

Sequence 1786

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTG

Table 2

CCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCAATCAAGGCTTCT
GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGC
GGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGT
CCCTGGACAAGAGACAAGGAGAAGGCCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGT
CTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTATGCTACTTTCCTGAAG
CATTCCATGGAAATACACCAGTGNAGAAATTCCTTGAAATTTGNAAAGTTGTCTGGGGT
TTAATGTTTNAAGCCTTTGTCCAGCTATCC

Sequence 1787

CCCTTAGCGTGGTCGCGGCCGAGGTACCAAACCTGCTGTCCCCAAATAAAGAACTTACATC
AACAAAGGAATATAAAAATGTTATTTAGGACTTCTGTTCTCAGATGTTTAAACAAAGGAG
AGATTGTTGTGCCAGGGAACAAAGTGATCCAATATCCACGAAGCCAGAATTCTCCTACTG
CACATTTTGTTCACAAACACTAAGGAATACAGCAAGATTTCAAGTTGGAGTAAAGAAGC
TACTTCTGGAAACAAGAGAGGAGATAACTGAGGACTTTCACAGAGGGGCTGAAATCCTTC
CCGGAAACTGTGCTCATCAGGGAACCTCAGCCTAGGGGGCAGCGAGGGTGGACGGTGAG
CTGACCTATCCCCAGACATGTGGAATAGGTATTGGGTGTGCGGGGGTGCAGTGCAGAAT
GAAGGCTGGGAGTTGTTAAAGCTACAGAATATTCTAGTAGCATACCACGGGGAACTCANG
GACCTCAAACGTTTTTCAAAAATTAACCTTTGGGCTCAGAGTTTCAGGCAGTCCAATGT
AATTTACTTCCACTGGGATT

Sequence 1788

CTCCAGCTATACTGCCAGGAATCACTCTACCTCCCCCATCCCTGTTGCTGCTGCACCTC
AACCTGCTACTTGAAACCACAGGCCAGCAAAGAACTGTGCTCCAAGTGCCCAAACCAA
TTCAGTTCCCTGTTCCGCAGGAATCAGAGCTTCAGCATAGGGAAGCAGCCATGACCCAG
CATCGAAGCCCATGCTGTGCCTTGCCTTAGGAGACCAGGTGCTCTCATCTAGTGGA
GCTGTACCTCGGCCGCGACCACGCTAAGGG

Sequence 1789

CCCTTNCGAGCGGCCGNCNGNCAGGTACCACCTATGAAGAATTCTGCCTAAAGATATTA
AACCTGAAGCTTATNAAATCTGTAAATCTGACTACGACTTGACTGAAAAATTTAGTGGCAA
AGGAATATAGTAAATGACATCACAGGATATAGCATCCAAACCCAGAAAGCGGATATTCT
TAGGATAAATGACCCAGTTCCTCAACAATGAAATGGCCTGGAATAGAAAAAGAGGGA
GAACTTAAATAACATACCAACCAAATATNNGCACATGGATCCTGTTTTAATATGGATT
AGAAATCCAATTCTGAAATGACATTTTTAAAAATCANGAGGCCCGGGCGTGATGG

Sequence 1790

TCATGTCTGGGAAACCCCTCAGTCCTGGGCAAACTGGAGACCGGTGTTATCATACAAA
GAGAAAACCAAATAAGACTAAAATTATGTCCAAACACTTTTCATTGTGGCTAGGAACACAA
GTTGAACACCCTAATAAGGAACACAAATAATAAAGCTTGCATTATTGAGTGCTTATATG
AGGTAAGTATTATACTATTATCTCCATTTTAAAGATAAGCAAACTGAGACATAGTAAGGG
TAAATAAGTTAGTTAGTGAAGGCACCAGAATTTAAACCCAGAAAGTTGGTTTTAGAGCA
TACACTACAATCAGCACTG

Sequence 1791

CCCTTAGCGTGGTCGCGGCCGAGGTGCTTTTTTTTTTTTTTTTTTTTNGAGACGGGG
TCTCCCTATATTGCCAAAGCTGGTGTCAAACCTCTGGGCTCAAGTCTNTCCTTAGCTTCC
TAAGTAGCTGAGACCAAAGGCACAGGCCACCGTGCTGGCTCTACTTCTCACCTTAACCTA
AATAACCATCCACCTGAGAAATAACATNTACATGTAAGCTTAATTCAAATATTCAGGTTT
TGTGATCCTNAAACGTGAATGATCANAATCACCTAGGGAGCTTTTTGAAAAATTAATC
CCCCCTCTACATCAGTTTCTACAGGGAAGTTTGGGAATTCATGTCTTAAAAA

Sequence 1792

NTTTTTTTCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCT
GAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAAC

Table 2

AATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGAC
TTCACCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATC
TGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTT
AGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTGTGCCCGCTGGAACCCATGGTCC
ACTGAAGTTCCTTATGCT

Sequence 1793

NTTTTGNTCGCCACAATTTTGACCTAGGCAGGAAGCTTTACAGCTTGAGGCAGTTTCATG
GTCTGAAGACAAACTTCTTGACTTGCTGCCGGTGTGGACTGCAGGAGAGAGCCTCAC
TGGGTGAGGAGCACGAGAACAAGTGGATCCCACTACCACATCCCACCCCTCCTGTTTCA
GAGGCAGATCATGGGACCAGGACTACTGAGAGTTCCATGGCCCTACCCATCATCTGAAAT
GCCCCAAGAACTTCTCCCGATTAACAAGGTCAAGCATAACTCTATTGCCACCACCACAG
CTGGTTCTCACTTTTA

Sequence 1794

CCCTTCGAGCGGCCGCCCGGGCAGGTACTTTTCTTTATGAATGTTATACCAGAACTTAG
GAGGAAAAAATTTTTGAGCATACTGAATATTAGGAATTGGATATCTCCCTAAATTATTA
AGTTCATCTTCCATAAATTCTGTAAACTGAATGTAGTATTTCCCCCTCTTCCCATGCAA
GTAAGTATATCACTTTAGAAAACCTGATATGAACATTATTTGTTATTGTGCTTTTATGA
AGAATTCTGTCTAATCTTCTCATAAGAAGAAAGAAATTAGAACCAGAAAAATCTAATTATCAG
ATTTAGTAAGGATGTAGGCAAGAATCCACCTATTTTTTTCATTTATGTCTTTCAAAATCA
ATCACATTCTATTATT

Sequence 1795

GGTACGCAACATGACATTGGCTGGTGTAAGATCTTACAATTATTTTTAAATTTTCATTG
TATTCATTTGATTATATAGTTTCTTGCCATCACAACAAACACTCCTATTCATGTCTAATT
CGATACCTGGTGAGTCCACATAAGCATTGGGTCCCCACTGATGAGAGCACCATGGCCAG
GTCACCCACTTGATCAGGTTCTCTTGCTTTTTGTTGTGCATCTCATCTTATTGTAGGCAT
TCAAAGTGTGGGCTCAGGCAAGCCTTCCAGTGTGATCATATTAATTTTATATTTTATGT
GTTAACATGTGCCTCCAATAACTTGCTTTCCTTGCTCACCATGGTGATGCATTTTTCCT

Sequence 1796

CCCTTCGAGCGGCCGCCCGGGCAGGTACTCGATGAAAAGTTTGGAGGCATGTCACAAGT
TTGGAAATAATCTAATGTTGTATTGACTTTTCAGGGTCTATTAGTGAAAACACAATCAA
ACTAAATTTTGATATATTAAGACAGATGTATAAGCCTATAATTTTGAAATCAGTATCC
ACCTGACATTTATCTCTCATTCCATCAGCTGAACATTTGGATATTGATTTCTAATTTTGT
ATTTATCAATATAATGAATATTGACTGCCATAATGATGTCTCAATGACATTTTCGAGCCC
TAGAGTAACTTACAAA

Sequence 1797

CCCTTCGAGCGGCCGCCCGGGCAGGTACAGTAAGCTGGCTGCTATTTCCGGTGCCAGCT
CTGCCGCTTCGAGGAGTTGCAGATCAAACCTCACTTTCTTCACACAGGCTCCCAAAGCTCA
TATCAGAGAGCTGGCATGACTTCTCTATCAAAGTAAAGTTTCAGATTCACAAAGAAGTT
CGGTCAAGTTTCGAAGTTGAGACAGTTTTGATTTTAGGACTTCAGGAACTGGAGGAAAGT
AATCTTCATAGGAACCATTTGGAAGAAAAGATTTTTTAAATCGTATTG

Sequence 1798

CCCTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTGTAGAGATG
GAGTCTCTATGTTGCCAGGCTGGTCTTGAACCCTGGGCTCAAGCAATCCTCCTGCCTCG
GCCTCCGAAAGTGCTAGGATTACAGGCGTGAGGCACCAGGACCGGCCAATAAGATGTATC
TTTACATGCATTCACACTCTCAGTCTTTCCTCACACACCCGCTGCTAAGAGAAGAATT
CAGCGCTACCAAGAGAAAATTTCTCCAGGGCTCCTGCCTTCTGTGGTGAAGTTTCATCTT
GACTGAAAAATAGATTCGGG

Sequence 1799

CCCTTAGCGTGGTCGCGGCCGAGGTACGAGAAAGATTTAACTGCTTTGAAGTGGATATAA

Table 2

ACCAGAGACCTACTGAAGTCATTTATCTGACTCAGTGTGACTGCTCAGCATTTGTAGAAA
TTGAGTATAGTGAGAGTATAGTGAGGCCTGGAGATTTATGAAGTCATGAGGAAGAGCCTT
CCAGGCTCTGATCCGAATGAAATTCAATTACAAATGGATTTGAGATGAATCTTAATACAA
AAAAACAGTGTGACAGTGTCTGAGGAATGGGTCTACAGAGCCTTTGGATAGCTGAATTG
TAGAG

Sequence 1800

CCCTTTTCGAGCGGCCGCCCCGGGCAGGTACACCACTATCGCTGGCTAATTTTTGTATTTTT
TCCAGAGACGAGGTCTCACTGTCTCACTGAGCTCAGGCTGGTCTCAAATTCCTGAGCTCA
AGAGATTTACCAGTCTCAGCCTTCCAAAGTGCTAGGATTACAGGCATGAGACACTGTGCC
TGGCCAGTAATTTTGTATTATTAATTAAAGGTGAGGTTTATACCACCTTCTTCTGATTAC
AGAAGTAATACATGCTCATTATGTAACACTGAAAATGTAAGCAGTATAAAAAAGAAAATA
AAAAAGAATATGAAAATCAC

Sequence 1801

CCCTTTTCGAGCGGCCGCCCCGGGCAGGTACTTTTAATACACCATCCTGGTGGATCTGGCGC
AAGGGAACCTCCACACAGAAAAACACTGCCCTCACGTTATGAAAGGATTCAACATTATTCT
CTCTTTTGAAAGATAATTGGCTTCAAAGAATAATTGAAAGTTAGAAACTTGGGTCTTTTA
CAGAACCAGGTAATATCTCTACTACTCTTTTGGGAATTAGTCTTGAACCTGCAGCCACTGT
GAAAGCTTCTGGTGTTATTTAAATTAATCTTGTATTGNTATTAAACTT

Sequence 1802

CCCTTAGCGTGGTCGCGGCCGAGGTACTGGATAATGCAAAATTCACCTTGAAACTTTTTTA
TTAGAATATTTGCTTGCTAATTAAGATGGAATAGAGCAATATTATAATAAATGTGCAT
AGCCTGAATACAAAGGAGCTAAGAGATAACGGAATACATACATACTTGGCCAAAGAAGAC
AGACCACAATTATAAATATAGCCTAGATATATACAAAGCAAATGGTCATGCATTAACACA
TTAATTGAAGGTGATGAAGTGAAGTTTTATCAATTAAGAAAACATTGCAAGCTATATTCT
GGGCCCAATTTTAAAGTAGAAAAAAA

Sequence 1803

CCCTTAGCGTGGTCGCGGCCGAGGTACAGTAAGAATTTGCACTGAGTGAGATGCAGGTGG
TGTTTCTGAAATGGAAAAGTAGCCAAATCAGAAATTTATTAGTAGGAAACACAAAAGGAA
TCCAAGGGATGTTTCATCTGTAAACCTGAGAGAAGGTATTTTAAACTGTGCTGTTTACA
TTGGCAGGTGACTACTCACTCTAATAGCTCCTTCCTGCCTCTGGTGATACTAATGGACAG
GGCAAAGTTCCCCAGCATACCCCATACAGCCTGCAGCCACAGGGAGTTAGCGAGGGGCTA
CACCCCTTTGCCTGGACA

Sequence 1804

CCCTTTTCGAGCGGCCGCCCCGGGCAGGTACAGAGACGTTAAGCAGCTTGCCCAAAGTAAGG
CATCTCTGCTAATTGACAGAGCTGAAATTGAACTCAGGAACCTTCTAGATTCTATGTATT
TGGCTTTTACAACATCATTCTTGTTCATCCTTGTCACTATCTCTGCTGTGCCTGAG
ATTCCCAAAACGAGTTGTGGTTAACCAGAGAATAACCCTTCAGTGCCTGATGTTGGTGG
AGAGAAGAATTGCCTAGTTACATCTCATATGGCTCAGCAGGGGAGAGGAGTGCCCTCATG
G

Sequence 1805

CCCTTAGCGTGGTCGCGGCCGAGGTACGCCGGGGACTCTTTCTTGAAGTCCAAAGGAGAA
TCCTCAAAGAATCTCTGAAGAAAATTTGACTCCACTGATTACCATCTGTTGGTGACACTC
TGCTTCAATTATTCTTTGTTCTGAACTCCAAGGACTGTTTAAAGTTCTACAATGTCTGGC
AGATTGAGGAACAAAGATAAGGGAGAACAAGCAGAACTGGTCAGAGGGCAAATCCAGAC
AGAACCTTTGACTTGGTGTGAAAGTGAAATGTCATGCCCTTGAAAAATGAAGATCCTGTG
GTATTGTGGAAATT

Sequence 1806

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTAGTGGCTTTAGTTTAAAGATATGCTTCA
TTACTTCATGCCAAATAGTCAATAAAAGGTTTGTAAATTCAACATCAAACCTGGGTAAGTCC

Table 2

TTCTTAAATTTGTTTTTAAAAGCAAAAGATCCCAAAATACCAGTTGTCACCATTTTAAAA
GGATATTTTAAAAGATTTCTTTTATGGTTATTTCAGTAAGAAAAATGAAAAAGTCAGAAAT
TTTACTTCTCTCATTTTTTAGCTGTATATCAATATTTTGAAGAGGTAACATATGCATACG
CTACAACAGTCAAAA

Sequence 1807

CCCTTTTCGAGCGGCCGCCCGGGCAGGTAAGTGTGCTCAGAAATGTGACCAGCAATGTAAAC
CGACAGAACCAATGGCTTTTATAGAAAATAACAAAGTATTTCCGATCCTTTTTTAAGTAGA
GAATTTTCTCCCAGCACATCCTATTTCCAATTGTGTGCAAAAAACCTTCCAGCTTACAAA
TGTTAATTCGGGGGTTGGCAAATAAAGGCCAGAGGCCAAATCTGGCCCACCACCTGCTC
AGTCTGCAAGCTAAGGATGTTTTCTTACATTTTAAATGGTTGGGGAGAAATAGAAAGAG
TATTTTGA

Sequence 1808

CCCTTTTCGAGCGGCCGCCCGGGCAGGTAAGTGTGCTCAGGCCCTCACTGCGTGCCGGAGA
TCCACTAGAATACAAGATCTGTTTCTGTGCTTTGAGGGACATGTATCCAGCAATTAGTT
ACATCAGTCCCTTGTAGATGTCAATTCAGTGTACAAAATTTCTGTTTTGCAACGTTGA
GCAAGTTTTTTCAATGTTTCTAAGCCTCAGTTTTTGGCCCTACAAAATGTGGTAATAAT
ATTTAACCATTAGTAATGTTGTGAAAATTAAGCAAAAATACATGTAATATATTTAAC

Sequence 1809

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGAAACAGGCTACTGCTATTAAGGATT
GCACAACTTCTGGGCAAGGCAGAGGTGGGTTGGCTTTTTAAAAATTTTTTCAGCCTGTCT
CTCATGGAACACATATTTCTTTCTAAGAACTTTTCATCCTAACCTCCCTACTCACATCT
TCTAAGTGTCTCTGCTCTGGTGGGAATGTGATGGACAACACAGAGCCATCTCAGAAGCCT
CTGTGGCCACCACCAGGCCGCCAGGCTGCAGGGGGCCACTCCCTGGGCAGCCATAGGGT
TCTCAGCAAGGTGCATTGCTCGTCC

Sequence 1810

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGACATTCAGAGGTGAGCCCAGAGGGG
GTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCT
GTATGGTCCGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGA
ATGTCAAAATGTTCATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTCAATTTGA
AATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATAC
TACATAAGAAGCAAGACCACAGACTCAAGACG

Sequence 1811

CCCTTAGCGTGGTCGCGGCCGAGGTACGAGAAAGATTTAACTGCTTTGAAGTGGATATAA
ACCAGAGACCTACTGAAGTCATTTATCTGACTCANTGTGACTGCTCANCATTTGTAGAAA
TTGAGTATAGTGAGAGTATAGTGAGGCCTGGAGATTTATGAANTCATGAGGAAGAGCCTT
CCAGGCTCTGATCCGAATGAAATTCATTAACAATGGATTTGAGATGAATCTTAATACAA
AAAAACAGTGTGACAGTGTCTTGANGAATGGGTCTACAGAGCCTTTGGATAGCTGAATTG
TAGA

Sequence 1812

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACCTTGCTACACGGCCGGGGGCCATTGAGACTG
CCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCT
GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGC
GGATTCCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTACCTTCCCTGGGATGT
CCCTGG

Sequence 1813

CCCTTAGCGTGGTCGCGGCCGAGGTACACCAAATTTACTTAGACATCCAGGCCAGACGTG
AAGAATTTCTCTGTGATCTAGTAAGCTCCATCAATTTAACATTTTGGCTTCTCTGGGG
CAAAGAGAAGACTGCCAAACAGCACTGGTGCTGGGGGGGCACCACTGGTGACATGTGGCA

Table 2

GTTCTTGAAAGAAAA

Sequence 1814

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTG
CCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCT
GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGC
GGATTCCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGT
C

Sequence 1815

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGTGCTAGACACTGTTCTGAGTGCTGGA
GAGATAGCAGTGAATGAGACAAGACTATGTCTATGCTCGCCTAGAGATTTCAATTTCAA
GGGTAAAGGATAGTGAAGAAATAACCAATAAATATCTACGATTGCTCCACATGGTGAAAG
GTGCAATACAGAAAAACAAATCAGGATGCAGGGATAGAGAGGGAAGCAAGTCACAGGTGT
TGGACACTGTCTGAAGAGCGCCCCCGTGAGGTGGGAGTTTTGAGGGCCATT

Sequence 1816

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACAGCTAACTGTGCTAGGCAGGGCAGCCCTGTG
AGTCTACTGCTGTCTTGGTTTTACAGAGGGGGAAGTGAGGCACAGAGAAGTTAATTAAC
CTCTGAAGTGTTGCAGTCTAAGGCACAGAGGCACAGTTCAGGCAAGGTTTCATCTGAATC
TTAAGTCCTCACTCTTTGCCGCCATCCTCCACTGCTGAGACCATCCCTGTGAGTCTCGCC
GCTCTCCTCCCCTGGTCCATATTCAGTCTCAATGAGGCCAAGGAAGCCAATGGTCG
T

Sequence 1817

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTG
CCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTNT
GGCTCTTGACAAAAATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGC
GGATTCCCTNTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGT
CCCTGGACAAGAGAC

Sequence 1818

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACTGCCAGATCACAGGGGCTGAAAGAGAAGTCT
GCTCAAGGATCTGTCAAAGGTGAGAAGGAAAAACACTTTTGATGATCAAGAAGGATCCA
AAAAGGAGCAACTATGCAGATGAGAGCATTTCCATTAGTCTTAAAAAAAAAAAAAGACCTA
CTATATATTGATAAATTACTTACTAATTCTAAATTAATCAGGATACATTTACTATATGCT
CTGTGCTGGGTGCTAGAGGGTCAGGTTAGATAGAGATGCAAAGATGACAATAATAAAAT
GTTAGTGATGATTATAGGTAA

Sequence 1819

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGTCTTTTAACTGTTATGGATGTATAAG
CACTATCTATGATGGACGAGGCATAGTGCATCTCCTAGGCCGGAATGTTTCACTCACTA
ATGAGCTGGACAATTCTACTCTGTGAATTTAACTTTCTGACTCCCTTATGCAGGTTAAT
TTTGGAACATATCATATTTTACTCTGGCTTGGTGGGATTAGGTGGGAAATTACAGATTG
CATCAACAATTTGGTCTGCCTGGATACAATTTGGTCTGTTTCAGTCACAGCCTGGGTAC
ACCTGTTGATATATTTTTAA

Sequence 1820

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACCTCATATTATTCCATTTAGCCAAAAGAGAG
CTACTCCCATTAGGTGCATTTTAGTTTTATTTGGCTTCGTGATTGCCATTCCTTCATA
TAGTAATAGAGAAAGCCGTGATATGCAGATAGACCAGATGGTCATGTTGACAGATTGAGA
ATTCACCTTCCTACTGCCTCAGAGCAGGTGTAAGATTAGGAGTGTCTGTGTAGGGGCGTGT
GTGTGCTTCGTGTGCATGTGCGTGACATCCAGGCTGCACAGAGTGCTGTTTGAGCAATG
GGAATGATTTCTTTTTTGAAT

Table 2

Sequence 1821

GGTACAGNNTCTGAGTATGGGAACCTCCCTCCCCAAGTGGTGGGAAGTTACAGNTAACTA
CAGCTTACTCAACTATCACTTCCAGAGGTTTAGTGTTTTAATATGGGAAAGAGGAGAAA
TCTCAGGTCTAATCAGGGTTCTGCCCATCAGCTTTTCACTGAAACTTTTCAACATGTGT
TNNGNTTTTTGGTTNTTTTTTCCATCTNTCCAGTTTCTANCCCTGGTGTATGCCTTCATC
CCTCCGCGGTTCCNCCATTCTATTTNTTATGGCTNTTTGGGTNCCTCCCTTTACNCAG
CCTTCAATGGTNCTNCCATGAAGTTTCAANGCTNGTACCNCCTGTCAATTTTTGGGGGA
AACCAGTANGAGGAAAAAAAACCAATAGGAAATTTTTGGCNTTGAAAAAAA

Sequence 1822

ACGCGAGGAACCTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGG
TGCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCANAGAAGGAATGTCAAAAT
GTCAATGTTCAATTTACATTCACTGCCTGGAATCTTTCTTCACAATTGAAATGAAATGT
GCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAGGAAAATACTACATAAGA
AGCAAGACCACANACTCAAGACGGACATAATTGGAT

Sequence 1823

GGTACAAAAGGACAGGCACTGACTAGCAGGACCTGGCAGAACTATGTCCCTNCCCNAA
CCACCCACCCGTGAGGAGTGCAGAGCTCANNTGTGGCCTGGGGAGAAGAGTCACATCATC
AATGGCAACAGGACCTTTCCACGANTTNTCTGGAAATACTCCAGATTCTGCCACTCTG
GGAATATTNTTTGAGTCTCATGATTTAAAAAAT

Sequence 1824

CCCTTTGAGCGGCCGCCCGGGCAGGTACATTGTTAATCCAGGGAGCAAGGTAAAGC
TGCTACTTTCATTATTCACATGACCACGAAAATAAATTGATTTTTTTTTTACAAAT
CTATTCTTCCAATGTGATATTAATTATACTATAGGCATTTACCTTTATGGTGAATCTAT
TTGTTCCACTAAATGATCCATAGGCCTCTACTATGATGGAGACAAAAAGATCTTTGAAT
ACAAAATTCAATCTAATTATTTGGCTATGAAAATAAATGTTTATATTATCTCNATTTAC
CACATAAAGTTTTGTCANGNTCTACATTANCCCTATTTCCACAGGANGCCTTTACAAAAG
GTCATTGGGAAAGATAGCAGATGTTAAACTTTTCNTATTTTAAATTTAATTTAATTA
AAAACCTTGGTAT

Sequence 1825

CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGTATCACCTCTCCTTGTGTCAGTAGT
TTCCTTTCTGCAGACAGGAGTTCCATGTGCTGGGAAGAGGGCCATTGAGAGCCTCGTATT
CTCATCCTCTCAGTTTAGCAATGCGAGAAGAAAAAATTTGTCTCACAACTCATATAC
AATCTCAGGAAATAGGCTCTTATTTCTGGCTTGAGGCTGTCCAGAGGCACAGGCACTG
TNGATGGTCTCACTTTCTGTCTGGATCTATCTGGTGGGGGCCAGACAGCANGGATCT
ATTTTCANGAAAATATGGCCGAGGAGAGGNAAAAAATTTATGTGGGCCCGTAAAAAACA
GGCGGNTTTTTCAAGGTGGGGCTATCCCCCATTTCCACNATTCATTAAACCTTTTTT
NTTGNCTTGANGGCTTTAAAAAGG

Sequence 1826

CCCTTTGAGCGGCCGCCCGGGCAGGTACCACATGAGCCAGCAGCTTCTCCTGATGCACA
GTGCAAGAAATGAACATAAGTGGTAATAATAATATTCAGTGAATGAATGTAGGCCTCAC
ATATCTTTTCCCATAGAGAGATTGAGGTTGGTAAGTAATAACAGATCTGGTGACACTGT
CTTCTACTTTAGAGACCTGATATTGGCTAGAGGTGGGGTAGGTAAAGGGGAGGGAATAGG
CTTTTATTAGGTTGGTGGGTAAAAATTTGCTGTTTTCTGAAAGAGTTGGACAATATCAAAG
AGCTTTACAGTGTTTATTAGTCAATTCTCATTAGCCCAATGATTCCATTTATAGACATGT
ATAATCAAAATNCCCAAGCAAAGATTTACATTTCCAAAATNTGTTTTANTNGAAAGTTC
TTATTTTATAAATANCAAATGCCAATTGGAACATTAATTAAGTTATTNTATTTTAAACAC
CGTTAATNGTAAATTAACACCAAAATATTTCAATGGGTAT

Sequence 1827

CCCTTTNAGCGGCCGCCCGGGCNGGTNCAAAACAAACAGCCCAACAATCTNTAATGG

Table 2

TGGGGGAGTAAATANAGTGACCGATTATGCTGGAGGAAGAGGAAGTGAATGGGNNCCCAA
NTNTAGGNTAGGAATGAAAAATCCCTACCAATGTAAATCAGNATATAAAATACACAAA
GAGTTCATGTATGTGTGCGGGAAGGAAAGNTGATATTTNGGGGGTTGGGANGGTGANACA
TGNGGGTNCCNAGTACATATNNACAACTNNNTTANTCNCNTNCCAAAGGTCATGGGGAA
TGAGCATT CNTTAACATTTTGATACNTCATACCTTAGACTTGACCCNTNGGACCTTTG
ATTGNNCATTGGGGAAAAAATT

Sequence 1828

CCCTTCGGCCGCCCGGCGCAGGTACCTAAGGTGCAGTCTCTGCCTTAGAGTTGTAATCCAG
GAAGGGGCTGCAAGAGAGACTCAGAAGATGTGGTCTGACAAATATAAGCACAATGTCTG
ACCCTTAAGAATGACAGGATTTCAACAGGCAGACAGGAGAGGAGGAGGAATTCTAAGCA
AAGGCTTTCACATGTAAACGGTGAATTTCTTAGATAAGGATCTGTTTTCTATATACCAGG
AATAGTTTTGCTTGGCATTGTGNAGGACGAGGAGTAAGTTCCAAATGAAAACCTTTAAAAAT
GTTTCCCCAAAGTGTTTCATANTGAAATTTTAAGGATGTGCCTTATGGACTGGGGAAATAA
TCAAAATNACATAAAAAATAAACATTTAAATANANCATTAACCCATTAAAAAATTAAAT
TACCCATTTTTTTTTTTTCTTACCTTTTTAAAAAATTTNGNGGNCCCCCAGAAATTATT
AGGCCTTTNGCCGGGGGGGTTTTTCTTTAAATTTGGAATTA

Sequence 1829

GGTACATGCAATATACAATTATTTGAGATAATTAAATATATGAGATAACGTAGAAAAGGA
AACAGAAAAGTTGTCTTAGCCTCCTAAATCAGCCTAATGCTTAACCTGGAACCTCAGGTGG
AATAGGCTGTTTAGCTCTAATAGTTAACAGGATCTCTTGAGCCCTCCATCAGTCCTGGT
TGTTGTTTCTTCACACTTGCTGTCTCAGAAATGTCTGTTGGGCCCTATTCTGGTCCTTG
CCATGCTATGAAACCAGNCTAGCCTACATCCTAATCTCTTCTTCTGAGACAACCTTT
TCTAGGAAGCCCTTCAATGGGGCTTCNTCCTTTCCCTTGGGGCTTCTCCTTTCTTAAG
NCTTTCTGCNCTTTACCCAGCTTTNCAAAATGGTNGTGGCTTTTCTTCCCTNGNGGTAN
TCTTCAANTTTTGCTTCNACCCCTCTTCNCTNGANTGNCTTCCNGTCCTAGGTGGTTT
NCCCGANTCNTTCCAAAAA

Sequence 1830

CCCTTCGCGGCCGAGGTACGTCTGCACCGTGTGGGTGTCTTCACTGGGGGAGTCTGGATG
CATATGCACITACTTCCCCACCCCTATTAAATATGGAGCAGCTTTTCAGGACTCTGTGA
CTGCCTTCTCCTCAGGGTCACATTGAGTTTGAATCTGACCCAAGGTGCAGGAATCCTGCA
ATGGGGAAATAAAAGAATATACAGAACGGGGTCAAGTCANCTGCTCAGAGGCCAAAACCC
CTACAGCTGCTT

Sequence 1831

ACTTTCATCATGACCCAGAAAACCACCAATTAATGCCACTATTTTAGGACTCATTTTTTC
ACTCTTGCTATTTCATTTATCTTGCAATCTCTTAGTCTGTAAACCCTCTTCCGCTATAAAAC
TTTTCATAAATATTTACAGTGGAAGCTTCCTGTGCTTTGGCTTATCAAGATAAACTCATC
TATCTCATTTCTATTTGAAATAAGTGTGTTGAAATATCCTGTTTCTTCTGTAATTCTCCT
ATCCTCTTCTTTGTTGNAAGTTTAAAGCTTTTTATTTCTTTATTGGCATTTTAATGGNG
CTCAGAAAGA

Sequence 1832

CCCTTTCGAGCGGCCGCCCGGCGCAGGTACAGCTAACTGTGCTAGGCAGGGCAGCCCTGTG
AGTTCTACTGCTGTCTTGGTTTTACAGAGGGGGAAAGTGAGGCACAGAGAAGTTAATTAAC
CTCTGAAGTGTTGCAGTCTAAGGCACAGAGACACAGTTCCAGGCAAGGTTTCATCTGAATC
TTAAGTCCTCACTCTTTGCCACCATCCTCCACTGCTGAGACCATCCCTGTGAGTCCTGCC
GCTCTCCTCCCTGGTCCATTTCACTGCTACTCAATGAGGCCAAGGAAGCCAATGGTCG
TGTCCTCAAGAGGATATCTCTCCCTCCTGAGAATCTTTCTCATACATCTCAATTCTGAG
ATACAGATTGAGAAGCACCTCAGCAAATCCACTGCATGGAAGGCAAAACAACCTTGA

Sequence 1833

CCCTTTCGAGCGGCCGCCCGGCGCAGGTACAGCTAACTGTGCTAGGCAGGGCAGCCCTGTG

Table 2

AGTTCTACTGCTGTCTTGGTTTTACAGAGGGGGAAGTGAGGCACAGAGAAGTTAATTAAC
CTCTGAAGTGTTGCAGTCTAAGGCACAGAGACACAGTTCAGGCAAGGTTTCATCTGAATC
TTAAGTCCTCACTCTTTGCCACCATCCTCCACTGCTGAGACCATCCCTGTGAGTCCTGCC
GCTCTCCTCCCCTGGTCCATATTTCACTGCTACTCAATGAGGCCAAGGAAGCCAATGGTCG
TGCCCCAAGAGGATATCTCTCCCCTCCTGAGAATCTTTCTCATACATCTCAATTCTGAG
ATACAGATTGAGAAGCACCTCAGCAAATCCACTGCATGGAAGGCAAAACAACCTTGAT
Sequence 1834

CCCTTAGCGTGGTTCGCGGCCGAGGTAAGTCTGCCTGAAGGCTGAGGGCAGTAGAATTA
TTGACATTACTATAATACTGACCTCAATCGAGCTAACCTTTAAATCTGAGAAACAGGTT
TTCAAACAGGTTTATAGGCCAAAGAGAGTCTGGAACACCCTAAGGGCTTGGTTTTCTGG
CCAAGTAATCAGTCAAAGCTATTACTGTCACTCTGCCTTTTCTTGTGGCTAGATAACAC
AGCCCAAGTGCAGTTGCCAATTTCTAATGAATACTAGGTGTGGCCTCCATTTTATCCTGT
GCAAGGGGATATTGGAATCTTTGTTCAAGCAATATCCACGAGAGAGGTGGCTTCATGC
CTCAGAAGTTAAGGTGGATTTTAAAGCAATTTAGGCTGCTTTTAAAC
Sequence 1835

CCAGANGCATGCTTTTNCGGGCGCCATTTNTNTTNGNTTTTTNNACAANNCGCCCTNNGC
GAGGAGNGCNGTCGAAGTACCCAGNCTGCAGCTTCAACAGTTACNACATTGAGCCAACCG
GANANACTGCCANGGCAGGAAAAAGCCCTGGAAAGCCCACGGCCCCCTNTTCCCTTGGGN
CAAAGGCCNTANAGCTGGCTGCCAAAGCAGCCAACCAAAGGGGCAGCTCAGCTCCTGNGA
GGCACCAGCAGTGACCTGATGCAGTNGAAGAGTTGATGTCTTTGACAACATACGGGACACT
GGCTGGATTACCTANATGACACANCTTAANTGCCAATTGATGAAATTAGGGGAAATGAAA
AG

Sequence 1836

CCCTTTGAGCGGCCGCGCCGGGCAGGTAAGTGTGTGGGTGCGCCACAGGGTAGGCCACTAT
CCCCGTCCTGATGGATGNTTGCATTGTTTTCAATCTTTTGCTTTTCAAATAAAGCCAGT
ATGGATAGCTTGTGCATAGTTGTGGTTTTGTTTTGTTGTTGTTGTCCTTGTGGAAGTG
CATCTACACTAGTAAGAATTTGTTGTCAAAGGGTGTCTTGGTAACCAGGTATTATCCAAT
GTCTCTGATTGGGAATTTTAACAGTTTGCATTCTCAACAGTAATGTCTGAGTGTGACTGT
TTTTCCATANCTTCATCAAGTNGAAGNGTATTGGCTCACTATGGACATTATTTAATTAAG
NTNATTATTTGCATTTTCCCTTT

Sequence 1837

CCCTTTGAGCGGCCGCGCCGGGCAGGTACAACCCTACCACTACTCTACATCATGGAAGTC
TTAACGATTTAGGGTAATACGATAATGAGAATACCAATATGGATCTATTAAATGAGGAGC
TGAGTAAGCTCCAAATTTCCCTCTAGATTGGTAAGTCTATAATTTATTATGAAATTCC
TAATTATTACCATACTAAGTTCAAAGATTTTAACCCAAATCCTTTAGTAAGTATAAAC
CTCATTTCTTAAGATTCTTGACAGAAATAATCTTGATGAGCTTCTTCTCTCATGATCTTT
CCAATGCTGGTATAATTTTGAGGGAATTACTCTTATTTTCATTAATTCTGTTGCAAGGAG
GAAAAGACTGACTCTGTGTGGGGTTTCTTTCTCTATAAGGCACAAGACCTAAATGTCA

Sequence 1838

CCCTTAGCGTGGTTCGCGGCCGAGGTACACTCCTGAATGCGCAGAGAGAGAGTGAGAGAGA
GAAGCTCAAAGAGGATGAGGTCTAGGAGACCCAGAGTGTTTCATGGGATGTAACAATGAGC
CAGTGCCCTTCCTCAGCACAGTAGTCTAGCAATGGGGATGCTCTGGACCCATTTAAACC
GGGTACAGTGTAATAATCCTAATGCATTTGCAAGTCTCAGAGCACCAGCAAACCAAGGA
GGGCTCCTTTGTATGAGCCATGACCCAGAAAGGGGCTGTTAGCCTTGGGGCCTGTATGG
TAACATGGGCCACCTTTTCTCAGACAGGTCTGACACCATCATGAATTGTCCATGTAATGT
AATTTGACCATGTAACCTGACAACCTGTGAGCAGCCACTGGTGNTCCTT

Sequence 1839

CCCTTTGAGCGGCCGCGCCGGGCAGGTACGCGGGGACTCCTCACCAGCATCCATAAAAA

Table 2

CATGCTGCACCTTTGGCACAGCGGACTTCCCTGGCCCTCCCCCTGCGGACCAGTGAACC
TCGCCCCGAGGGCTCAATAAAGAAGATTTTTGCCCTCTTTTTCTCACCTCTCAGCCTTATT
GATCCATGGTGGCCTTCCATTGCCCTTCATTGGTGCCGAAACCCGGGAGGGGACACCTCC
TAAGCCCCCCCCAGAGGCTCAGGGGGACTCCCCCTNCTGGTCGGATCAAGTCCTCTCCCTCA
GTCAGGTGAGGCTTCTCCTCCACGGNCATCTGNCCATTTCGTCCGGTTACTTGCTGCCAG
GTCNCAGNTGCTGCAAGCTACTCCAG

Sequence 1840

CCCTTTGAGCGGCCGCCGGGCAGGTACATGACATTTTGCACTCAGTGGTATCCCTAGG
ACTTGTTGAATACATTGCTGTATTTATCTAAAAGGGCAAAGCTTTCATTAATAATAATC
TAGTGGCAATGTTGCACAGCCCTAATTCTCTACTACATGAAAAGTTATATTTTCAGGCCC
AGAGACACAGGATTACAGGTGATGATAGGCAATGCATATTTGAAGTATACCAAAAGCAC
CAAATAATGTAGCTGAGTATCCAGAAGGAAGTACATAAAATGCAGGGGTCTAATTACTA
GAGTCATTGCCACAGAACCAGTCATCGATGACTAAATTATGCACCTGGTTTCCTGGGAAA
ATCTGCAGTTTGGGGAACATTTCACTACACTTCAGAGCATTTTAAG

Sequence 1841

CCCTTAGCGTGGTCGCGGCCGAGGTACTACCATGCCAGCTAATTTTTGTATTTTTGTGTA
ATTATTTTTTTGTAGAGACAGGGTTTCGTATGTTGCCTAGGCTGGTCTCGAATTCCTGG
GCTCAAACGATCTGCCTGCATCGGCCTCCCAAAGTGTGGGATTACAGGTGTGAACCAT
GNGTCTGGCTATATCTTCTGTAACACCCAAATGCCACCAGGCAAAGCCCAAGTTGAACCA
GGAGGGAAAAAGGCCTGGCAGGATGTANGCCTTGCATNAGGATCTCAGAACTTCACTAA
NCAGTCCAATTCCTCTTTCCCGAGGTCTAACTCTATGCTGAAGTCTTGCATTTTTATC
TCACTTAATCCATATCACATGCACAGGAAGGAAGCATTTC

Sequence 1842

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTGCC
ATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGG
CTCTTGACAAAGATAGACCACTGGAACATGAGAAGGAGAGAAATTCGTCTGGTGCAGAC
AAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGG
ATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCC
TGGACAAGAGACAAGGAGAAAGGCTTTAGGATCTACT

Sequence 1843

CCCTTAGCGTGGTCGCGGCCGAGGTACGATCTCACCATAGGCCTGTTTTGGAAGCAAGGTT
TGAATTTTCTTAAAGAAATTTGAATGTTATTCTTAGAACANCTTCTTGTCTCACAAA
AATCATTTATGTAAAGGGAAGGAACACACTGATTTATTTAAAATTTGGGAAATTGCGAA
CCAAAAAAAATGCATTCCAATTTACAAGTTACTTGATTCTGTCATATGAAGTGGCAGTG
TCCTTTTCCCTTCTGCTTAAAAAAGCAGCTCTGGCCTGTGGAAGGCAAGTGGCAAATGT
AAGCTTTATGGCAAACCCACTCAATTGATTTAAAAATGCTTCCAGGAAACACTTGTGTT
GGAA

Sequence 1844

CCCTTAGCGTGGTCGCGGCCGAGGTACCAGGTTCAAATAGTCAGCAGCTCATCATAATCA
ATGAGCGAGGACATAAAGTAGGAAAAATGCATCACCATGGTGAGCAAGGAAAGCAAGTTA
TTGGAGGCACATGTTAACACATAAAATATAAAATTAATATGATCACACTGGAAAGGCTTG
CCTGAGCCACAGTTTTGAATGCCCTTACNATAAAGGATGAGGATGCACAACAAAAAAGCA
ANGNAGAACCCTNGATCAAGTGGGGTGACCTGGGCCCATGGGTGCTCNTCATCAAGTGGG
GGGAACCCCAAAATGGCTTTTATTGTGGGACCTTCACCCAGGGTTAATTTCGGAATTTTAN
GNACCATTGNAATTAANGGGAAGTTGGTTTTTGTGGTGAATGGGGCCAAAAGAAAA
CCCTTATTANTTAAATTCAAAAATTGGAAATTNACCAAANTGGAAAAANCTTTTANAA
A

Sequence 1845

CCCTTTGAGCGGCCGCCGGGCAGGTACTGTTTGATGAGGTGTAAAATAACACGCTTTA

Table 2

ACTGGAGAATGAACACATTTCAGATACAATATTATCGTTCTCTTCTTTTCAAGTAATA
ATTTCCAAAAGATGAATTTTAATGGACTTTTTGCCATTTAACCAAAAGTGAATCCTTGAGT
CTCTGAAGTTGCCCCACTTAGCACCTGCGTATTATAACCACTTTAAACAATTATTACA
CCTTTTTGGATTAAAATTCAACNCTTTATGGTCTGTTTGCAGNAATATNAAANNTTANAN
NCAATAAAAAGGGTACCTTCGGGCGCGNGAACCACCGCTTAAGGGGGCGGAATTTCCCAGG
CACAACCTGGGCGGGCCGGTTAAGCTTAGGTGGGATCCCGGAGCTTCGGGTACCCAAAGCTT
TNGGGCGTAAATCANTGGGGCCATAAGGCTGGTTTTCCCTGGTGGTGGAAAAATTGGTTA
TTCCCGCCTCAACCAATTTNCACCAACCAACCAATNACCGNAAGCCCCGGGAAAGCCA
TTTAAAAAGNTGGNTTAAAAAGGCCCTTGGGGGGNGGCCNTAAATTGGAGGTGGANGC
CNTTAAACCTTCAACANTTTAAATTTGGCCGTTTNGCGGCCTTCAACCTGGGCCCCGGCN
TTTTTCNAAGTCCGGGGGAAAAAACCTGGGTNTGGGGCCCAAGCCTTGNCATTTTAAAN
TGAAATTCGGGGGCCCAAAC

Sequence 1846

CCCTTAGCGTGGNCGCGGCCGAGGTNCANCATANNTNATTACGATATTTTGTGATAAGTG
CTGTGTTCAAGGATGTTAAAGACATGACATGTCTGTGTCTAATCCAATCTCAAGATCCGAG
GATGGGATCACCACGGNAGAGTTTCTTCAAAAAAGGTAAGTTGCNNTTNACNCAGNGTCN
TTTAAATANATTACGGGGAAANAAANGGCNNTGGNTATTTGAAGAAGGGATGTTGGTCTT
CCNCAAGAACCAGGACT

Sequence 1847

CCCTTAGCGTGGTGGCGGCCGAGGTACTGTCTCCAGAATGCACCTTNTCTGCCCATGTCAA
CTGGAATCTTTGTTCTTGAAGACTATACTTTCTAGGACTCAATACCCATAACTGCTTCC
TACCCTCAAACACAAATACACACAGAAAACACTAAGCTTCCCTATCCAAGTGATTTCTG
GGGAGTTAGAGCCCACCAATAGAACTGGAAAGTATACTCAGGCCCGGGGNCGTGGTGG
CTCANGCCCTGTNAATCCCCGGGCACTTTTTGGGGAAGGCCCGNAGGGCAAGNTGGGAT
TCAACAAAGGGTTAAGGGAGNATCCGGAAGAACCATTCCCTGGGGCTTAAACAATGGGG
TGAAAAACCCCCCGGAACCTTCTAACTTTAAAAAAATTACCAAAAAAANATTTANG
CCCCNTTGGGGCCGTTGGGTNGGGTTNGAACCGCCCTTGNTGAAGTCCCCCAANCNT
TACCTTCAAGGGAAGGGCTTTGTAAGGGGCANGGGAANGAAATGGGGNGGTNGAAACC
CCCGGGGGGAAGGGGCCGGGAANCCTTTGGCAAGATNGGAGGCCCGAAAGAAATCCANC
AACCCANCCTTGNCAANCCTTNGGANATNGGCCACCTTNCNAANGCCCCCTTGGGGGGCGGN
ACAAGAAGACCGAANGAACCTTCTTNGTCTTTANANAAAAAANAAGGAAAAAANAN
GGAAACCTTGGGAANTGGAATTACTNCAANANTGGGGGGAAAG

Sequence 1848

ACTTTTTTTTTTTTTTTTANAGACAAGNGTCGCTTTGTCATCCAGGCTGGAGTGCGGT
GGCGCAATCAGAGCTCACTGTAGCCTCAAACCTCCTGGACTCAGGGAATTCCTGGCCCCCTC
AGCCTCCTGAGTAGCTGGGACTACGGGCATAGGCCACCCGTANACAGCTAAATTTTCAGC
AAACACCTTAACACAAGAGGAGCCCAGGTGNTGGGCCACCCAAGGTGCTCCACCTGCC
CTTAAACAGGTTAGGGAAGNGGGNATTTTTTGGGGGCTAAAAAGNTGGGCACCTCAA
AGGATNCCAGGGGTAAGCNTTTTGTCTAAAAANGTTAGGCCCCAGATAAACCAAAATCG
GAAACCCCTTGGAAAACGGGAAAAANGATTAATTNTCAAAAACCAAGGAAACCAAA
AACCCATTGGGGCCCGGTGGGCCCAANAAGGGGCCGCCCTTAGNAAAANTTTTAAAAA
ACCTNGGGNAAGCCCGGTGGAAAAAATTNCTNTTTGGAAATTTTNTTTAANGAANGN
AAGTTGGACCAAGAAAAAGGTCAATTTTATNGCCGCNAAAAA

Sequence 1849

GGTACTGGATAATGCAAAATTCACCTTTGAACTTTTTATTAGAATATTTGCTTGCCTAAT
TAAAGATGGAATAGAGCAATATTATAATAAATGTGCATAGCCTGAATACAAAGGAGCTAA
GAGATAACGGAATACATACATACTTGGCCAAAGAAGACAGGACCACCAATTATAAATATA
GCCCTAGATTATACAAAAGCAAATGGTCATTGCCATTAACATATTAATTGAAAGGTGA
TGAAACTGAAAGTTTTTATTCAATTAAGAAAAACACTGCCAAGGCTATTATTCTGGGCC

Table 2

CCCAATTTNTAAAAAGGTAAGAAAAAAAAAATGGTNATTAATTTTTATGGGGTTAATGG
TTAATTTTATGNTTTAATTTTTATGGTTAATTTTTGGATTAATTTTCCCAAGTNCC
CATTAGGGNCACCATNCCCTTTAAAAAATTTTCCATTAATGGAAACCCACCTTTTGGG
GGGAAAAACCATTTTTTTAAAAAGGTTTTTCCATTTTGGAAACTTTAACCTTCCCC
TTCCGTTCCCTTC

Sequence 1850

ACACACCAGCTGCCTCCAATCTCCCTTTGATAATCCTAGCCACATGCCACCGCGGGTGCT
CTAGTGTAGGCTGGCACCAACCCACCCAGCAAGAGCCAGGATCTGCTTCTTGAGGGCAG
GCAGGTTTATCACACAGCGGGGTGCAGAAGAGTAGTATTATCTTCTAGTGTAAACCACT
TATAACTACTTTTCAGTGAATCAAATAGATTTTTAAGCAAGAACATTGTAAAAATCTGCT
TAATCAAGGGTGGAGCAAAATGANTTAGCCAGGGCCACCCTAGCTCAGATGGGGTGGTAG
CTGCCTCTGCTCCACAATGAGGTATTTACACTTTGCTCCCCACCCTCTCCTTT

Sequence 1851

CCCTTTTCGAGCGGCCGCGCCCGGGCAGGTACCAAGACTGGGAAAACTGAGGACACTGGGG
TAGTGTGGCCATGCACTGTCAATGGAGGAGAGGAAACAGAAAGAAACACTGGAAAAACATA
TTTTTTCGTTCAATTGTCTTGTCTCACATGCTGNTGGAGAAAATCAAAGGACTTATTTTC
TAAATTANGAAGAGGGTTATAAGGGTTAATCTTCTTAGGCCGAACCTGGAANGGGGGCC
AAANCTNGAAGTTNAATTCCATTCCTTGGGGATTTGAAAAACCTTACCTTTTACCTTGGGG
GGAAAAAGGGGTGGAATTNAAAAAAGCCCCCTGGGGCCCCCCTNTCCATTTTCCGGTTC
CCAAAGGTTCCANTTCAATTTCCGGGAAAAATTTTGGAAAAATTTNGGGAAGGGGTNCCC
TTTTTTTTTTCCTTCCCTTCTTCCAATAAAAGTTTGGAAAAACCTTCTTTTTCAAAA
AGGAACCGNTTTTTTTTTTCAATTTTAATTCCAAATTCNTTCTTTGGGGTNAAAAAA
AACCTTTTTNCCCAAGGGGTTTTGGTTTCCAATTGGGGGGNAATCCAACCCCTNTTTGG
NTTCTTTTCTNTTTTTT

Sequence 1852

CCCTTTTCGAGCGGCCGCGCCCGGGCAGGTACCAAATTTATTGCCTGCCAGGATTGGAATTCA
TGCAGAGAGGAAGGATCCATGAAAAAATAATCAAAGTCAGGAAAGTCTTTTTCTGTAAT
CTTGTCTCATACAGTGAGTTATTTTGTCTGGGTAGTTACGGGGATGTGACTCCTTCAG
TCATCTAACCGTAGATGTAAGTAAAGTCATTTTGCCAGGGGAAATGAAACTCCACTTTGT
TTACTTTTTTCACTTAAAGGCTAAATCTGATTAAGCCTTTTAAACCATTTTGGTTTCAT
CCTTTAATTTTCAGTATTTGTATGAATGCCCTATGGGAAAGACATATGGGGATTTAAAAAT
AAGAAACTTTGGGCTAGCCAATCTTACCAATAAGNAGAAAAAGTGAAGATGCCTAAAAAT
CCAAGAAGNAGGCAGGGGAAAAGTCTTATTTTCAANGTAAAAAGCCTATTTTTGAATCCT
GAAAAATACCTGNNAAGGCCAGTCTTANCAGAAGNTATTTTAAATTTGGGGGAANGAATAT
TTGATTGCAATNGCCTNAGTTNAAAAAGAAAGTGGTATTTTGCCTNGAATATTGGGTT
TGAAAGGTTATTTTTANTCCATTTNAAAATTTTCTTATTANTAAAGTTTTNANGAAAG
AATGGTTGGGGAACCTNATTNNTGAAAAANTTTTTGGAATCCCNNGTGTAATTTAATN
AAATTTTTNTTTTTCCCTTAAAAAATAAAACCCCTTTTTGNNGGGAAAAA

Sequence 1853

CCCTTTTCGAGCGGCCGCGCCCGGGCAGGNACNCAATGAAAAGTTTGGAGNGCATGTCACAA
GTTTGGAAATAATCTAATGTTGTATTGACTTTTCAGGGTTCTATTAGTGAACACAAATC
AACTAAATTTTGATATATTAAAGACAGATGTATAAGCCCTATAATTTTGAAATCAGT
ATCCACCTGACATTTATCTCTCATTCATCAGCTTGAACCATTTTGGGATAATTTGATT
TCTAAATTTTGGTATTTACTCAAATATAAATGGAATTATTTGGACTGCC

Sequence 1854

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTGCTACACGGTCGGGGGCCATTGAGACTGCC
ATGGAAGACTTGAAAGGTCACGTAGCTGANACTTCTGGAGAGACCATTCAAGGCTCTGCG
CTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGAC
AAGACTCTCTTGATCTGCAATACCGACTTCATCATGCTTGAGTTTGTGTGCAGCTGCAG

Table 2

CCGGATTCTCTGAGCGCTGTCTATCGCATTCTGCCTGGGCAAANCCTCACCTTCCCTGG
GNGATTGTCCTGGGNCAANNNAANAANAANGGNATNAAGGGCCCTTANGGNATCNTNCG
NGGGGGGGGATCCCCNNGANNNAANAANAATTTTTTTTTTTNGTTCCCGGNNNNGGA
ACCCCNANGNGGNNCTCCAGATNANAANNNTTTTTTTNGTGTNNTTTTTTNNNCAG
GGGNNNCCCTTTTTNTTTAATAAACNCACCCCCCNGNAGANNAGAAAAAACCCTCCNC
TATAAAATATANANANCANTGNGCGNGGGGGGGGGTTATNTNTNTTATNATAATGN
TNTGGNACNCCTTTTTTTNANAAAAGGGGGCCCCCACAAAAANNTTANACTTCCGTT
TTTTTATAAAAAAAAAAAAA

Sequence 1855

CCCTTAGCGTGGTCGCGGCCGAGGTACCTTGGGTGGCCAAATTTAATTCAAAACTTGGA
CAATTTTTCAGTTACCCAAGTTTACACTAATCTTAGCATAAACTTTAGCTTTCACCTA
GGTAAAGATTAAATAAATCTGATTTAATGTATTTCTTTTTGCTATTTCTGTAAACAG
CCCAAACAGTCTAAAAAGTGATGATACACTAATAAAAGACAGATTAACCCACAGGAAAGG
AGCTATGGTATAAGTTTGGACTCGCCTTAATCCTAGGGCTTACCATTTATTATCTAAA
GAATTAATTTAGGATGTAAGTGNNTTCTTCTTTCTTCATTAAGNCAAAATCTTTA
CTTCTCTTCTTTTATTAAGCCATTTTAAATTTANTGGTTTTTCANCAAGTNGCCTTGG
GTGGTACCCCTGGCCCCGGGCCGGGCCGCTTCGAAAAANGGGCCCGA

Sequence 1856

GGNACCATGCAATATTAGCACTAAATAATTTGGCCACCAAAATTAAGGAGGTATTCAAAA
GAATTTTATAGATTATAGTGAATTAGAAGCTTGGTTTTGAGGCTTGGCTATTACTCGAT
ACTGGGACTTTTATTATAGCATTCCCTGTAGATTTGAGCAAGAAATTACATCTTCCCTCT
CTCTTGTAAACGTTTATTTACGCCATTCTTTAGGTCGTTACCCCAAGTGTATTGAAA
GGAGCCTACCGCTGCAAGGTTTCCCTTACTGTGGGCCGGGCTTGGGNGGCCATGCCAT
TCCTT

Sequence 1857

CCCTTCGAGCGGCCGCCCGGGCAGGTACTGGGGCACTCATTCTGCATGCTCCGAGAGAT
GCACCTCCAGTTTCCGAAGAAGGGTCTAGAAATGCTTTTTTGACCCCGGCTTTTTACCCT
ATCATCATTCAATTTCTAGGCAGTTTGTGTTTCTTTCTTCTGCAAAGCCGGGTAGA
TGCTCTCACAGACAAGCTAGAAATGCTGAAGAGCTTCTGATACTCTGGTTTTCTGTGC
CTCTGTCTTACTGTGGCTAAAAATAAAATACTTCTAACTTTCTTTTTTGGGAAACCATT
AGCCAATTTATTTTTCATTTGCTTTTGGAAANNACCCTTCATACTTCCCTGGGTCCCCAC
CCCCTGGCAACATGGGAATTCCTTGGTGGGCTTGGTTTTCTTTTCCCAAATGGCTTACA
AGTGGCTTCAANTGGTTTGGACCTTTTTTCAAAGGAATGAACCTCAACATTGGGTAAA
CCTTAAATGGAAGGGAATNCAAAGTTCAAATTTATTTTCAANGGGTGAACCTCGGTGGT
TTCTTTGGGGTGAATGGCCTGCCANGTTTCCCAACAAAGGAAGTTGNTGGTNGCCCCG
TNCCCTCTTGGTANGTTGGAAAAAANGGTTTNTAAGAACCATGGNTGGTTTTTCTCTC
TTCCAGAANNAACCTCTTGGGAAANGGCCTTGGCATTCCCAAGNANGGGGAAAATT
AACCCCTGG

Sequence 1858

CCCTTTAGCGGCCGNCCGGGCAGGTACCANGCACTGCTCTAGGTTTGGAGGTAGAGACAT
TGGTGAGTAAAAACAGACATGGGCTCAACTTCTAGAGCTTATAGTCCAGCAAGAGGGAC
AGATATTAACCAATGAATCAGACAAATGGCACTAAACATTAAAAATTGGTGAGTGTT
ATNGATAAGGTTGATTTGCCCC

Sequence 1859

CCCTTCGAGCGGNCGCCCGGGCAGGTACTTCCATCAAGTCGAGGGAGTAACGCAAACTA
TTAATAGTAGCCATCTATTAAGGATAGTTCTGAGGTTTGAATTTGTAAGTATTTTAG
GAGCTACGACATGAATATCATATCAGGTAGAAATACTCAGAGTGATCACCTTTTATGAAA
GTAGTTCTATCTTTCATGTCTAGGGAAAATATAACAGTGAATGTTTGTCTTTTGTATG
TTTTTGTCTCCAAGNCAGAGGGAAACTGACAAGTTTTATGTTTTAAGTGCCCGAAAGTT

Table 2

TGTTTTNTGGCTTAGGCCAGNTTCCAAGAGATTTAANTCACTGGGGGANTGTTTAAAC
TTTGGAATTTTTTTGGTTCTTTTAAANAAATGGTTTTTAAGAATTTTTTAAAAAACC
GAAAAATAATGGCCTTTTCCCATTTATTTTCCCAAAAACNTGGACCAACCCTTTGGTG
GTTTCCTGGGGATTTAAGTTTTTTTTAAGGAAGAAAAATNGTTTTTNNCCAAAAA
TTTCNTTCTTTGGGGAATTTAACNTTGNAAAGNTCCCAATTTGGATTTTTTGNAAAAA
TAATTTTNAAGNTATTAAAGTTTTTTTTTCTTT

Sequence 1860

CCCTTAGCGTGGTCGCGGCCGAGGTACCCATGTTCTGGAGAGCTTGCCCATCAACACCAG
GCCTGACATCCTTTCTGTGGGAAACAGACACATAGAGCCAAATAGCATGTCTCGGTAGTC
AGTCATTAACATGAAATCTCATGATCGCCATTTTATAAATACAAGACAGTCATTTCTACT
TCTTTTATCTTATTTGTAGCTTCAGCCTGTTCTTTTTCTGATTTTAGGATTGAGGTAGG
TCCTGTAAACAAAAAGNATTAGTATACACAACCTGATTGTCTGAAAAGGAGTTTAGGAAT
TATTATAAAACCAAGCCTTTCTTAAAACTTTACCATTTTAAAAAATANCAATTGGCAT
CATGAATTAAGAAAATCTCTTAAACAATGGATACCAATTGATTCTTCATCACCCAAAACA
AGGGGAATTTTCCCTGGAGCCCTTTCTTGGGCTTAACTTNGGGAATGTTACCTGGANG
AAAAATANCTTTCTTTCCCTTTTCTTCTTTAATTTNTCCCTCCCNTGGTGGAAG
CCATTGGCTTNAATTCCAGGNGGTAAAATCCCCAANNATCAACCTTTTGGTCCCCCAG
NTTCTTCAACAACCTTAACCTTCTTTANGGGGAACCCCAGGGGTAAAAAATNGGGGG
GGGCCNAGNTAATAAAANTTAATTNGCCAAAGGAACNTNNAACCCCCCTTTCCCTTCT
TCTNGGAACCCCTGGCCCCNGG

Sequence 1861

CCCTTAGCGTGGTCGNGGCCGANGTACNCGGGGAGACACATTCANAGGTGAGCCAGAG
CGGGTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGANACGCCACGC
CCTGTATGGTCGGTGTCTAAAGCCTCACAGCAACTAACACCAACCCANCTCTCAGAAGAA
GGAATGTCAAAATGTCATGTTCAATTTACATTCAGTGCCTGGAATCTTTCTTCAAT
TGAAATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATTCTTCATCTCACAAAGGGA
AATACTTACATANNGANGCAAGGGAACCCGCAAGAGATCTACAGNNTCTGGATCTTC
CANGGATTAAGTGAAGTGGAGGGNGGGTTGAAATGGATANAGGGGTNTTAATTTTGA
CCANGCTCCAGTGGAATNAAAATTAATTCNTTTGGCCAAAATGGAAGCCAAGGTNTTCC
CCCANNGACCCACCAGACTTCAAAGGACCGGGACCATTAAATTGGGGTTTTTTT

Sequence 1862

CCCTTAGCGTGGNNGNGGCCGAGGNACAAANNTCTGAGTATGGGAACCTCCCTCCCCAAG
TGGTGGGAAGTTACAGNTAACTACAGCTTACTCAACTATCACTTCCANAGGTTTAGTGTT
TTTAATATGGGAAAGAGGAGAAATCTCANGTCTAATCANGGTTCTGCCCATCAGCCTTT
CACTGAAACTTTCAACTGTGGTTTTNTGTTTTTGTGTTTTTTTTTCCATCNTTTCAGAT
TTTCCTTANGCNTGTNGTTTTGGCCTTTTCTTCCCTTCCGGCGGTTTCACCTTCCCTCT
TTTATTTTTTGGCATTITNGNGGGTCNACCCNTTNCNCANGCCTTNCNATGGTTCTCC
CCATTGAANNNTTCAAAGCCTTGNTAAACNCNCTTGGCNAATTTTTTGGNGGAAAACCAN
GTGAAGGANGGAAAAAANACCCANAAAGGNAAATTTTTTGCCTTGGTAAAAA
AAAATAAGGGGCNCCAGNGGTTGGCCCGNGTTGGGNCCTTCTAACTACNCCTNGNTNAAA
TTTTCCCAAGGNCATTTTTTTNGGGGNAAGGGGCCTTGAAAAAATTGGGGGTNGGGGAA
NNCNACCCCTTNGGAAGGGGTTCCAANGGAAATTTTCNGAANNAACCAAGCNCNTGGGG
NCCCANACCAATGGGGGTAAAAAACCCCNATTGGTCTTTTCNTTTATTTTAAAAA

Sequence 1863

CCCTTAGCGTGGTCGCGGCCGANGCCACTTNCCTGTGTTTTGTTAAGTCATGAAAATTAGA
TTTCTGATTCATCTTTATTTAGCAATTCATATGTATGTTTGTCTTAATATTCAAAT
CACTTGCTACTTGAAATTGAATTTCTGAAGGATAATACTACAATTTAAAAATATTTATTT
TTTGCTTA

Sequence 1864

Table 2

GGTACAGCATGTGTGCTGGGCTAGTTTCCTGGCTGCTAAAGCTGCATGGTGCCCTTTAAT
GATGGGAAGGAGGACATTAATGTGTTGGGCTTAGTGTTTTCACTTGTGAACATCAGGGA
GCANAGGGCATGCAAACTTTGCCCAAAGGCTGGACACGGTTTTGCNATAGAAATGAGCTG
CGTGTANTAAATAACTGACCTTGGTAGATGCCGACGCTAAGCAACTTGATTACTTAAAG
GTAAAAAGTGAGCCGNCAACCTCAGGCCCATANGGTGGAGCTAGGGNTTGACCCAGGGG
GAAAAAGGGCTGCGTTTCCCAAGGAGGTTTCGTCTNTCCCATTTGGGGGGCCCGCTCTT
AAAAATGGCTGGAATCCCTGAATTCACACCTGGTTTGAAGCCAAGTGGTGCCTGTAATG
GTTTGGTCTTTCACTTTTGGANGAATTAGNAAAACCTGCTTGTCCCATCCTTTTTAATT
TTTTATTAAGAAAATGGGGAAGANAAAAACCTNGGGGGTTNCTTCAAGGGGAAAAANGTT
TTAAATTAATAATTTGGNCCCTAANGGCNCTTACCAAACCAAGGGTTAAGCCNAAAGGT
TANNCCCAANAAAGTCCAGGGGAATTTTTTCANAGGTTTCCCAAGGGCCAGGCNCTTNGN
CCCCCTTTAAAAAAGANCTGGANGGGGCTTCCCCTTCNTTAACCTTTTGGGTTTNTC
NTTTAATCNTNGGGGGGGGGG

Sequence 1865

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTGGGTGATGGCCATACTGCGTGCCGCCATA
GCTCAAGCCATGTGCCTGAGGCTGTGCATGAGGGAGAGAAAGATGTCCACTCCCAAAAG
AACTGATTCAGGCATGAACAGAACCATTGCACATCCTCAGGAGGTTCTAGCAAACCTGCA
CATCCATGTCTGCACCTTAGACAACATAAAGAGAGTGAGAATGCCTTCCAGAGCACAGTC
AGNAAGTTCAACNTGGGCAAACGACCCAGGAAGAAATTTTCAGCTCATCCTTTTACAGG
AAAATGTAAACCTTCNCATNGGAGAAGGACAGGGAGAAATTCAGTACCAAAGGACCAAG
GCGGGAGGACTCTTTTCTTTTTTTCTGGCACGTTGGCTTGGGTACCCTTNGGGGCCCG
GCGGAACNCACCGGCTTAAAGGGGCCGNAATTTCCAGGCCACCACCTTGGGCCGGGCC
C

Sequence 1866

CCAGCGGCCGCCCNNGGCNNGCACTTTGCTACACNGNCGGGGGCCATTGAGACTGCCATGG
AAGACTTGAAAGGNCACGTAGCTGACACTTCTGGAGAGACCATTCAAGGCTTNTGGCTNT
TGACAAAGATAGACCACTGGAACATGAGAAGGAGAGAAATCTACTGGTCACAGACAAGA
CTCTCTTGATCTGCAAAACGACTTCATCATGCTGAGTTGTGTGCANCTGCAGCGGATTC
CTCTGAGCGCTGTCTATCGCATCTGCCTGGGNAAGTTCACCTTNCCTGGGATTGTC

Sequence 1867

CCCTTAGCGTGGTTCGCGGCCGAGGTACGCACAATCAACAGGACTTGACACTCAGCTTATG
TGAGAGAAAAATATACAAATACATTTATTGTAATCACATTTAAATTTATGGCTTTGGCAT
AGAACGAGGGGAGGGGAAATGTATTTGGGAAGGAAAGAGAAGATGGCTAAAGCCATGGACA
GAGTTTGAATAGGCAAGTAAGAAAAACAGGGTCAAGAGGCCGGGTGCGGTGGCTCATGCCT
GTAATCCCAGCACTTTGGGAGGCCGAGGCAGGTGGATCACCTGAGGTCAGGAGGTGCGAGA
CCATCCCAGCCAACATGGTGAAACCCCGTCTCTACAAAAATACAAAAATTAGCCAGGCA
TGGTAGTGGGCACCTCTACCCCAGCTACGTGGGAGGCTTGAGGTAGGAGAATCACTTGAA
CCTGGGAGGTGGAGGTTGCACTGAGCCTGANATCGCACCCTGCACTNCANGCCTGGGTG
ACCAGAACCGAGGACTNTGNTTNAANNAAAAA

Sequence 1868

CCCTTTCGAGCGGCCGCCCGGGCAGGTACAAGGTTGGTAGGAGGAAGAGAAGAAATGATT
GNCTCCCANAGGCTTATGGGCTCCCAATTCATGATCTTTCTCTGTGGCTAATTTTTGT
TAAGTATAAGAATTCCAGGAATCTCTTAGGAATNGTGGAGACTGCTTCTCCTGAAATAT
AAAACATCTGCTCTTGGTCTGNTTGGCGCTCCACTGTCTGAGGGGAAAAACAGGGAAAAAG
AGGTAATATAAAAAACAGACATTGTTTCAGACAATAAATCCCCCTTACTCATTAAATGANAA
AATAAATTT

Sequence 1869

GCTGGGAATGAACAGCGGCAATATCACTAGAAAGGAGGGGACACATAGGGAGGCAATGAA
TAAGTTCATTTAAATTAAAAAAATTTGTTGTGTTTTAAAGGAAAGCGAAGTGGAGA

Table 2

GAGAAACACACCACTAACAACAACAACAACAACAACAAAAGCACAGAATAGGATTAGGAG
ATTTGCCTGAGACAATGAGTGTAGTTTAATTTTCATCAAGCTCCAGTGTCTGAAATGAAA
AAACGTCTAAGGNGTTTATGCTCACAATGGAAACAGGCTAAGCAAGTNAGCCGAAGCTGN
CCGCACTGCTGTCTGCTACAAGAAGACAGGTAAGTGGGAGGGAAAAGCGCTTCCTGCTGA
CTCCACATTCTATTCTACTGTTGCCAAGGTTGCCTCCTGTTTCANATCCCACCACAGCCA
CAGCACTGCAAATGGAGAAGCTATGCCACCACCTGCTTGNTGGGCCCCACTGTCTACTGG
GAATAATTAAAGG

Sequence 1870

CCCTTTGAGCGGCCGCGCCGGGCAGGTACTTTAAGAAGTAATGCCCTTGAGTTAGAAAAT
CATCATTTTAAATCTCTGATGATATAATGGATTTAGGCAATAATCATNAAAAAACTAAG
TTAAGACTACAACCTGTCAACCAATACCATGTGTAGACCTTGTTTGGATATTGACTTAA
GCAAATAACCCCTACAAGACACTTTTACAATCAAGAAAAACTGAATGGGGCTGCGCATGG
TGGCTCATGCCTATAATCCCAGCACTTTGGGAGGCAGGTNAATTGCTTGAGCCCAGAAGT
TTNTNGACTANCNTGGGCAACANGGCTAGTAGNCTNGCTCTAATATAATTTNAAAAAAG
AAAACTGANTGTNAACTGAATAGTTNTACNANTATAANAGNANTANATTTTTTGGTTGN
GGCCTNCAACNATNAAAAAAGAGGGGNNNGGNATNNTTTTTTTTGGNNTGGGGANNTN
CCAAAAACCTTNTAAAGNAAANNGGTGNTNCCNTCANGGNNGNAAANCTTTTTTTACNNC
CTTGTAANGGNGGTNAAAAANCCCCCNAAATGGGGGGTACCTTGNNATATATACCCCNNA
AATGCNTTTNAAAAATTTTGGGNCCNNCNTNTTTCCNTTNGTNGANCNNCCATTTNTGC
CCANGGGNGGNNTNAAAAANCGTCCATNCNTCCCNCCCTGAAAAATNTTTTTAGGGNNN
AANANNTNTTTCCNCAATAAAAAAA

Sequence 1871

CCCTTNAGNGGGNCCCCNNGNANGNACTNTGNTANACNGCCGGGGGCCATTGAGACTGCC
ATGGAAGACTTGAAAGGTCACGTANCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGG
CTCTTGACAAAGATAGACCACTAGAACAATGAGAAGGAGAGAATTNTACTGGTCACAGAC
AAGACTCTCTTGATCTGCAATACGACTTCATCATGCTG

Sequence 1872

CCCTTTGAGCGGCCGCGCCGGGCAGGNACTTGNCCTGTCAACCCTTGCCCTTGAATAATT
NATATTCTTATTTTCTTGNTCCCAGACTTTGTCTTCAGNGCACTGAGTCAAAGCTTTA
CACTAACAGGCAGTCTTATTTGTTGAATGAATGCATGAAAGGCTGGTTTTATGAAAGCAA
AAATGTTTTTCATAATTAGTATTTGAAAAGATGTGTTTTCAAGTAACTTGCATGTTAAT
AGCCTTTTTTTATGATGATGGCCTTTGATAAGTNTGGCAGTAAGAAAAAGAAAGTCACCA
AATCTGAACGATTGAAGCTGCTACAAGAGGAGGAGGAGAGAC

Sequence 1873

ACTCCCCCAGCAAAAAACCAATGCCAGACACATTTTATATAAGAATGAACAATTAATCTG
AATAATAAAAAAAGGCTTATTTATAAAGGTTAAGTTGAATAGTATATACATGCACATAT
ATGCAAAATATATATAATTGAGATATTTTATCTTTCTTAATGCTTACATGACTCTAAACTC
TCACAATTTTAAATTAACATAAAATATGACATAATTGTAAATTTTTCAGCTTTATACAT
CANCATTTTACCATNATGNGGAAAAGATATTTCTTTTNCCTTCTTCTAAT

Sequence 1874

GAGGTACAAAGNCTAACNTTTTGTANCACATAATCAATTGAAACCACACTCTAAAGTTA
AATTAGTTCCTTCCAAATGGGGCAGACACGTGCTGACCAATTAAGAGGCCCAAAGACTTG
GGAGTAGAGGATGAACAGGAATAAATTGAGAAATTATGCAGGAAAATTATTGAAGGAAGA
ATGAAGACGAGAATTCTCAATGCTAAGTTCTGGAAGATGCTGGAAGAGAACTGAATCCAA

Sequence 1875

CCCTTAGCGTGGTTCGCGGCCGAGGTACACACAGGCATTACACCCCCAATACACACTTCC
TCCTTCTATCTCCCTGTCTGATTTCCACTCATCCATTCTCAGCTCCTGTTTGTCTGAGGC
CACATGCAACTGGATTTGTCAAGCCCCCTTTTCACAACTTGTTGTACAGTCCATTACCA

Table 2

AATTGCATATAGTTATATATTCCACTAATTAGGCTTCTAAAATATCATTAAACATGTCTCT
TGATCATTAGCATAACGTATGAGGCGACGTCGTTAGGCACGACTCGAGTTTGTTAACGTG
GTAATGAAAGGCACAAGGCANGCTCTGCANGAACCAAGAAGCACAAGAGAA

Sequence 1876

CCCTTAGCGTGCTCGCGGCCGAGGTACAAGATTTTACTTTTCCAGCCGCTGTAGGCCAAA
GAAAGGCAGGGAGAGAGAGCCCTTAGGAGTGGATGCTGAGTCAGCCAGTTGCAGTGTCTGC
CCCAGAACCATCCTATAAAAGCCATTTTCAAACTTTATTCAATTGTATGTGAACATGTTTC
AACATCTTTTCACAAGTGGCTTTTAAATCGTTGTTAGTCATGGGAGCTTTGATTAGATGAA
CTCTTGAGGGGAACCTGGCATGGTGGGCATACCACGACACCAGCTCTCAGAGACTCAGA
TGGAGGGAGCCAGGCTGNGNTGTCGTGGAANCCCTTGAANCTAANTGANGAGGGTATTT
GGCNAAGAGTAGTTGTAAATTGAAAACCTTTTCATT

Sequence 1877

CCCTTAGCGTGCTCGCGGCCGAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTGCC
ATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCAATCAAGGCTTCTGG
CTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGAC
AAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGG
ATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTNCCTGGGATGTCC
CTTGGAACAAGAACAAGGANAAGGCCTTAGGATCTACTGGGGAGTCCGGAGGAGCAGT
NTCTTCTTGTCCTCCGCTGGAA

Sequence 1878

CCCTTTGAGCGGGCCGCCGGGCAGGTACAATGATCCTATTTTCTGAACAGAACCCTGG
CTGAACGGTATTAATAATTCAGGTTCCAAAATGAGCCAGTGGTAAAGAAGAAATAGAGTGG
AAATTTAACACATCCATTTATTATACACTGCAAAATGCAACAGGGACAGATGCCCCATGA
TATTTCTCCTCAGCTGTGATCACTTTCTCTACAAATGTTGAACTAGTGGCTCTTGCTCTAG
GGACTATCTGGACAATTACCTGCAGCTTGGAGTCATTACGGAGATGATCCGTCAAGGAAC
TGGCTCATTTGGGTTACACTCACTGCTCTGTTCTTAACCTTCTGTGTAACAACCTCTGG
AGCTTAAACTTT

Sequence 1879

CCGGGCAGGTACTGTGATATCCACATATTTTGTAGAAAAATTCCAAGCCAGGCGAATGT
GGATTGGAATAAAGACATAGGCAGTGTATACCACCATAGCAATAATGGTTAGTAAGATGG
TGTTAAACATAGATCGCTCCAGGGCTCTAAACAGCACAGCAGCTAATGATTTGGTATT
GATAGTAGAGCCAGGAGAAATATTCCTTCACACGCCTCAAATCCATGGTTGGCTCCTTCA
AGCTGCAGTAAGTTTGTCTAAGAAAGTCCAGGTCTGGTTCTTCAGCCTTGCTCCTTCGC
GAAATGATCCTGTGTGGGTTAGTTCTCCTCTCTGGGTTGCTGTTTCTCATCTCCCAGTT
GGGTGTATCTCCCTGCGGCTTAAGTGAGCGCCGAGGCNTTNGCTCCTNCCCAGCTGCTGC
GACCT

Sequence 1880

CCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGTGGTGATTAAATGCAACCAAAATACGG
GTAGTTTCTATGAATTAGGAGTTCATAGCATCTTCTAAAGCACAGAATTCTGAATAGAAC
TCATCCAGGTGAGAAGCAGAACATTCTAAAGCAGCTTTCAGTTTCTTAACTTGGAGTCT
CCAATCCAATTGAGAATTATTCTTCTCATGCCAGTCTCCAGGAGCAGCCTGGCCCAGG
CTTCAAGAGTAATACCTCAAGTCTACTTTCAAAGATTCCCAAAGACTGTTTTTCCCTC
ACTTGTTTTGATTGGATCTCATTTCAAAGAGGGCCTTTTCTAAGACTGCTTGATGTTT
TTTTATGGNAAATCTGCTTTAAGTTTCTAATGAAAGTGACCAAGAAGTTTGCCCATTCAG
CCCTTTCTTTTGGGCCATACAAAGTCTGGCAGCCAAAAGTGGATCCTTGACCTNGTGGG
ACCCTNGGCCCGCTCTANAACTAGGTGGGATCCCCCGGGCCTGGCAAGGGAATTCGAT
ANTCAAAGCCTTANTCGATTACCGCCNACCTCAGANGGGGGGGG

Sequence 1881

CCGCGGTGGCGGCCGCCGAGGTACCACTGCACACCAGCCTGGGCAACAGAGCAAGACTCTGT

Table 2

CTGCAGGGAAAAACAAAACAAAACAAAACAAAACCTGTCAAATCTAGAGGAGCCTAAAGA
GATATAATAATTAAATGTGGAGTTATGGAGAAAACAACAGTAGGTAAAACTAAGGCAAT
TCATAAAATATGGACTCTTAATAATTACATATTAGGCCAAGTGCAGTGGCTCACGCCTGT
ATCCTAGCACTTTGAGGGGCTGAGGCAGGCAGATCACGAGGTCANGGGTTCAAGACCAGC
CTGGCCAATATGGTGAAACCCCGCCTCTACTTAAAAATACAAAAATTAGCTGGGTGTGGT
GGTGTGTGCCTGTAGTCCCAGCTACTCAGGAGGCTTGAGGCACCAAGAATCGCTTTGAAC
CCANGANGCCGGANGGTTGCCAAGAATCGCGCCCACTTGACCTCCAACCTTGGGCGAAA
AGANTGATGACTCCCTTTTTAAAAA

Sequence 1882

CGAGGTACACCAGAACACCCAGTAACTGCTAAGGCATTTGACCTAAATACCTGGCTCCA
AGGCAGCATGTCTGGACATGCCTCGGTCTCTGGTAGAAATCACTGCCCTGAAAGGAAACGC
TTTGGGAAACACCTGGTACCTGCCCG

Sequence 1883

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCC

Sequence 1884

GGCGGCCGCCCGGGCAGGTACATTGGTGCATGTTTTATAAACCCANACACAGATAGCTAA
AACCATAATTAGTTTTCTATACCCAGAGCTTTGAATTAACACAGATGCTTTTTTTTTC
CCCAAGAGCAGACAGTTCTACATTCTAACATTAGGAATTGGTGATACGAGAAGCAGGAT
CCAGAATTGAGATGATTTAGCGAGACTCGGTGAAAAAATGCATTTCCCTGGCTGTT
TGAAAAATTTACTTATTTGCAGATAAGTCTAGATTTAGCCTTGAGATCAAAGTCTTTAT
ATTTTAAAACTTATTCTTTATATTGATCAAACATGGCATATGTTAGAGAACCACTTCTT
CTGTCTATGTTTATGTATTTGGAATTAAGTTGNTTGCATTCACTTTCAAATCTGCCCAT
TTCTGTTTATGTGCACTTACCACAGATGTGTGCGGACTTTGCCTTANGGGAGAGGACTT
NAGACCATTCTNCTTCCCATGGNCTTGGTGCTGAAGTTGGTATGGCACCTGCCATTCC
AGTTCCANGAATGGGCTTAGGATCAAAGGCTGGNTATCACTCCAAANCTTNACCACACGA
NGCAAGANGGAAACNGGCCCCCNNAAGATGANCTNCCNTGCTAATTCCTTNANAAGGGNC
CANTCTGNAAATNCCCNNTGGGCNNGGNATGACCNNGGNNTNNGNCCCNNAATTTTGG
NTTCCNNCNCAANCNNGGCCCNNGGAANGGGCCNCCCCAANNTCCCTGNCTTNGGNN
TNGNTNGTNCCCANNNAAANNANTTGGNCCCCGGGGCCCTGGGAA

Sequence 1885

GGGGCCATTGNTACTGCCATGGAAGACTTGAAAGGTCACAGTAGCTGAGACTTCTGGAGA
GACCATCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAG
AATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAG
TTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTT
CACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGG
GAGTCCGGAGGAGCAGTCTCTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTA
TGCTACTTTCACT

Sequence 1886

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTCTGTCCCGCTGGAACCCATGGTCCACTGAAG

Table 2

Sequence 1887

ATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACACCCTCAAAGGGAGTTCCAGG
GTTGTTGGCCATCTTCTGCCAAAGGCGCTGCTCTTCCCCTGAGAGTCCATCCAATCCAC
GTTCTTCCCATGGCTCACACCACTTCCAGAATTCAAACGAACTCCTCCCAGAAAGATGTT
GCTGGAAAAGGCCTCCTTGTCCCAGATAGTAAGTTCTAGGCAAACATTCTTTATATCCTG
GGGATGGATGCCACTGAACATGAATGTATGATTCCACTGAGGGTTAACACTCTTTTTAT
TACCAGAGTTTTGTGCTTGGTGGTTTTGCTATCATCAGGGAGCAGGTAAGCCCTTCACAA
AGCTATCAGAAGTGCCCTCCTGACTTCACTGCTGTCAAATCTTTGCCTCTTTGATGAACA
CTTCTAGTATTCCTCCAGANATTACAGGTGACTCCTTCTTCTTCCCT

Sequence 1888

CGAGGTACCTACAAGACATCTTAAATTCTACCATGAGCAAATTTCCAAAGAAGANAAAG
GATTTTGAACCANNTCTCCACTCCCAGCACGCCTGATGGCTCGAATGAACATTTGAGC
CAGCCAGNATGAAGACCANCAAAACCCATCAAGCGAGCCCACCAACTGGGGACAGATCA
GNANGCTGACCCACCTTGACANNATAACCTGANAACNCAACAANNNNCCACTANCTNNA
GTAACCTGATGGTAGCTATGATTGCGGTA

Sequence 1889

CCGCGGTGGCGGCCGCCCGGGCAGGTACAGGAGCCCTGATAGCCATACTCGCCTGTGTCT
TGACATTATTGGTGTTGATCCTCCTTATCGTCACTATGAGAAGACGGAAAAAGAGCCCC
TTATTTTGGACGAAGAAAGAGACATCAGAGAAAATATTGTGAGATACGATGACGAGGGCG
GGGGAGAGGAGGACACGGAAGCGTTTGACATGGCTGCACTGAGAAACCTCAACGTCATCC
GAGACACCAAGACCCGGAGGGATGTGACTCCAGAAATTCAATTCCTGAGTCGACCAGCTT
TAAAAGCATCCAGATAATGTCATCTTTAGGGAATTTATTTGGGAAAGATTAAAAGAAG
CCCGATGTTGATCCTGGTGCTCCTCCTTATGACTCCCTGCAGACCATATGCTTTGAAGG
AAAT

Sequence 1890

CGCCCGGGCAGGTACTGAAACCAGCCGGCTGCTTTGGCGCCAGAGGGCTCAACCTCCACT
CACTCAGACCCACTGCGTTCTGCCCTCGCAGGAGGGAGTGCGCATATGAGTGGGTGCCG
GAACGGCG

Sequence 1891

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGTCCGGGCAGGTACGCGGGATGCCAAGATT
CTCCTGAAAAGACAAGATCCCAAAAGTGCTGTTAGCCACAAAATCCTTGAATCCTGGGTT
GGTCGAGGACTTGTGACCCTGGATGGTTCTAAATGGAAAAGCACCGCCAGATTGTGAAA
CCTGGCTTCAACATCAGCATTCTGAAAATATTCATCACCATGATGTCTGAGAGTGTTCCG
ATGATGCTGAACAAATGGGAGGAACACATTGCCCAAACTCACGTCTGGAGCTCTTTCAA
CATGTCTCCCTGATGACCCTGGACAGCATCATGAAGTGTGCTTCAGCCACCAGGGCAGC
ATCCAAGTTGGACAGTACCTCN

Sequence 1892

CGAATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGTGATGATTAA
ATGCAACCAAAATACAGGTAGTTTCTATGAATTAGGAGTTCATAGCATCTTCTAAAGCAC
AGAATTCTGAATAGAACTCATCCAGGTGAGAAGCAGAACATTCTAAAGCAGCTTTCAGTT
TCTTTAACTTGGAGTCTCCAACCTCAATTGAGAATTATCTTCTCATGCCAGTCTCCAG
GAGCAGCCTGGCCCAGGCTTCAAGAGTAATACCTCAAGTCTACTTTCAAAGATTCCCAA
AGACTGTTTTTCCCTCACTTGTTTTGATTGGATCTCATTTCAAAGAGGGCCTTTTCTAA
GACTGCAGGTGNTNGTTTTATGGTAATCTGCTTAAGTTTCTNATGAAGTGACAGGAGTTT
GCCATTACCNCTCTTTGGCCATACAAAGTCTGCAACAAGACTGANCNTTGCACTGTTGT
ACCT

Sequence 1893

CGCCCGGGCAGGTACTTAACTAGGGTTAGCCGAGGTGAGGAGGTGGATGCCTTATTATG
GGATTAGTGCCCTTCTAAGAGGGACAGTAGAGGGCTTGTTTCATGCTCTCTCTCCATGC

Table 2

ACAAGAAAGAGCACACAGTGAGAAGGAAAGAGGCCCTCACCAGAACCTGACCATGCTGGC
ACCGTGATTGCAGACTTCCAGCCTCCAGGATTGTGAGAAGATAAATATCTGTGGTTTAAG
TCACCAAGTCTGTGGTGTGTTTTATGGCAGCACAAAGGGAACCCAGATGATGCTTTTCACC
ACTGGGTGGTNCAGCCCTTTCATGGAAGCTGTCAGCTCCCCAGCCTTGTAATAAATGCTT
GCTGGTCACTCTCTTTGGTCCTTTCAAAATCCTTCTTAAGTGGTGCCTNTACCANGCCC
TTGACTTCATCCTTTTCTGTCAAAGGAANGGGTGAGTAAAAGACCTCNGGCCGCTCTTA
NAACTAGTNGGATCCCCCGGGCTTGCAAGGAATTCGATTTCAAACTTATCNNTACCCGCC
NACCTCTAAGGGGGGGCC

Sequence 1894

CGCCCGGGCAGGTACCAGAGGAGGAGATGGATGATCAGAGCCCTGCACCTGTTTCCTGCA
CCCCCTGCCCCTGTTCTATGGCCACAAGGAGTTTTACCCAGTAAAGGAGTTTGAGGTG
TATCATAAGCTGATGGAAAAATACCCATGTGCTGTTCCCTTGTTGGGTGGACCCCTTACG
ATGTTCTTCAGTGTCCATGACCCAGACTATGCCAAGATTCTCCTGAAAAGACAAGATCCC
AAAAGTGCTGTTAGCCACAAAATCCTTGAATCCTGGGTGGTGCAGGACTTGTGACCCTG
GATGGTTCTAAATGGAAAAAGCACCGCCAGATTGTNAAACCTGGCTTCAACATCAAGCAT
TCTGAAAATATTCATCACCATGATGTCTGAGAGTGTTCGGATGATGCTGAACAAATGGGA
GGAACACATTGCCCAAACTTCAACGTTNTGGAGCTTCTTTTAACATGTCTTCTGATGA
CCCTGGACAGCATCATGAAGTGTGCCTTTAACACCAAGGGCAGCATTNCAGTTGGACAG
TACCTCGGGNCCGNTCTAAAACTANGTGGGATCCCCCGGGCTTGGCANGAATTTCAATA
TTCAAGCCTTTTCNATACCCGCCGACCTCCAAGGGGGGGG

Sequence 1895

CCGCGGTGGCGGCCCGCCCGGGCAGGTACCATATCAGTGGAGAGCTGCAGCAAGGTGGCCC
CTAGAGCCACGCACCAGCCCGCACATTGCCTCTCCATACGGCAGCCCTTTATTTGGAAAC
TTCTAAATCACTTTGCTGTGTGTGTTACACGGGTGGGTTTTGCTTTACTTGCCCTGAG
AGCACACGGGAGTGCAGCACACACCCCAACCCACATCAACTGCCATTAAAGAAAAGAAAT
TTCAGCCCAGAATTTTCATGTCCAGCAAAATTAAGCATCATAAGTGAAGGAGAAATAAGAT
CCTTTTCAGACAAGCAAGTGTCTGAGGGAATTTGGTATCACCAGATCTACCTTACGAGAGC
TCCTGAAGGAAGCACTAAATATGGAAAGAAAAGATCATCACCTGCTACTACAAAACACA
CTGAAGTACCTCGGCCGAGGTACTTTNATTTCTTTNTTTTTTTTTTTTTNNNGGNNTNG
TTTTTAAAAATCGATCTCTTTTAATTTTAGGCCAATTTTGAGTAGTCAAAAGTCAGAC
AGGTCAATTTNTGTTTGTNGAGCCGANNACACANNCTTGCAAAAAACCNCTGTTNTGANG
GTGTCCCGGGGGGAGGGNNGGNAGCCCGANCTTCTTGGGGANTAATCANCCNTGCNTNGG
GGANNGGCCNCCCTNGTTNAGGGATTGANGGCCANANTNCCCCTNGCAAAAAANTNTTTT
NAAAAANTTCANACCTNCCTTTTTGGGGNNGGGCCCNCTATGNGTTTTTGGAGNAAAAA
AACCCCGGGGGGGCCCCCAACCNNGNTTTTTTAAAAAACNNCCCNNTTTTTTTCCN
CCCTGNNGGGGGGGGGNG

Sequence 1896

CACCGCGGTGGCGGCCCGCCCGGGCAGGTACAAAGGAATATGACGTGCTTTTCTCCAGAAT
CTGAGGGTCAAAAAGTCCAGTGACTCAGGATACATTACAGAGGAGTGTAGCATAAAGAT
GATTGGTTATCCATCTAAAAGAGACGGGAAAAAGTGTCCCTTAGTCCCTCTCTGTCTTCC
AGGGAAAACCCAGTGTGTGTGATGGAGAGAAGAAAAGTGCCTCTTTTCTTCCATTCT
TATATCGCTGAGTCTGGCGACTCTGTGTACCTCGA

Sequence 1897

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTCTGTCCCGCTGGAACCATGGTCCACTGAAGTTCTT

Table 2

Sequence 1898

CGTTCGGGCACCCACTCATATGCGCACTCCCTCCTGCGAGGGGCAGAACGCAGTGGGTCT
GAGTGAGTGGAGGTTGAGCCCTCTGGCGCCAAAGCAGCCGGCTGGTTTCAGTACCTGCCCG
G

Sequence 1899

CCGGGCAGGTACCCGAGAACCTATGTTGGTTGTTACTGGTGGCCTGATTCTTGGGCCTCA
AGGCGGCTTGCTNAGATGCCAGTAGTGCCAGGGGTAGAGGGGTTCTCAGGCTCCTAGATA
GCTGCTGTGGCATGGGCAATAGCAGTAGCCATGGCAAGATGATTTCTCTGGGTCCTAATC
TGTGTGCATTGATATTGGCAGTAAGCTGTGATGGGCTGGGCGGGCCTGTCTCCAGGTCCA
CAGTTGGTGCTTGCAAGTATATACCAGCTGAGGAGGTACCT

Sequence 1900

TTCCGGGCACCCACTCATATGCGCACTCCCTCCTGCGAGGGGCAGAACGCAGTGGGTCTGA
GTGAGTGGAGGTTGAGCCCTCTGGCGCCAAAGCAGCCGGCTGGTTTCANTACCTGCCCGG
GCGGCCG

Sequence 1901

AGGTACAAGAAACAGAAATACGTCTTTATGTTAACTGTTAGTGAGGCAAAGCAACGCCCA
TGAAGACCTAAGGGAAAACCTAAAGGGAAAAAAGGAAACCCAACCTAAAAGAAAAA
GATAGGGGAGGCAAGAGGAGGCAAGAGAGACAAAGGAAGACACCACAGAGAACAGGAAA
GCAAAAGAAAAGGAGAAAATACAGGAGAATTGGTAGAAGAAATTATAGGTAAATAAATG
TGAGGAACTGAATGTGGGAGGCTACAGAGTGCCAAAAGAAATTAGCTTAAATAGCCAGGC
AAGGTGGTGTGTGCCTGCAGTCCCAGCCACTCCAGGGGCTGAAGCAGGAGAATCAGACCA
CAGGCATGCACCACCATGCCAGCCAATTTTTTTTTTTGTATCTTTAGTAGAGACAGGC
CTTCACCATGCCGCCCAGGCTGGTCTCAAACCTCCTGACCTCAAGTGATGCGCCTGCCTCA
GCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCCCCAGCCTCTGTCTCATTTTT
AAAAATAAAATGTAAAAAATAAATTATTCAAAGAAATTGGCTTAAGTACCTGCCCNCG
CGNCGCTCTA

Sequence 1902

CCGGGCAGGTACGGAGAGTGGATGGCCCTTCTCACTAGTATTTCTTTTTGAAAGATGTAT
GTGGCCGGGCACAGTGGCTCACACCTGTAATCCCAGCACTTTAGGAGGCCAAGGTGGGCA
GATCACCTGAGGTCAGAAATTCAAACACAGCCTGGCCAACATGGCAAAACCCAATGTCTA
TTGAAAATACAAAATTAGCAGGGCGTGGTGGTGGGTGCTTGTAATCCCAGCTACTTGGG
AGGCTGAGGCAGGAGAATCGCTTGAACCCGGGGGGTGGAGGTTGCAGTGAGCCGAGATTG
CACCCTGCACTCCAGCCTGGGCAACAAGAGCGAACTCCATCTCAAAGAAAAAAGAT
GTATGCTTCATTTTGTGACTTACAGAGAATTTACTTTGGTTTTTGCCTGCTCATGGTTTT
TGGCTTTTGGCAAAACCATTTCTGTGTGGCTTTTCTGATGTGCCTTTCTTGTTCCTGT
GACTGTTTGGGTGGAATATTAGAGGAGTGTCTCTCCAGTCCACCTAATCAAAATCACT
GAAATGANGCCTAAAGGGTTTCATTTAAAAACAACCCNAAAAAAAAAAAAAAAAANG
GAAAAAGAAAAAGTTCCCTCGGGCCCGCTTCTTAAAACTAAGTGGGATNCCCCGGGC
NTTGCAAGGNAATTTCNNATATTCAAACCTTTNTTCGATTACCCGNCCNAACCTTCNANG
GGGGGGGC

Sequence 1903

AGGTACCAGGATGGACTGCAGGCGGTATTTGACTGGGTAGATAGTGCAGGTGGTAAATTA
GCTTCAATGTCTCCAATTGGAACAGATCTCGAACTGTCAAGCAGCAGATTGAAGAGCTA
AAGCAATTTAAGTCTGAGGCCTATCAACAGCAGATAGAAATGGAAGACTGAATCATCAA
GCAGAGCTTTTGCTAAAGAAAAGTAACAGAAGAGAGTGACAAACACACTGTTCAAGACCCA
TTAATGGAAGTGAATGATATGGGATAGCCTGGAGGAGAGAATCATCAACAGACAGCAT
AAACTGGAGGGTGTCTATTAGCCTTGGGTGAGTTCCAACATGCCCTGGATGAGCTCCTG
GCATGGCTGACACACACCGAGGGCTTGCTAAGTGAGCAGAAACCTGTTGGAGGAGACCCT
AAAGCCATTGAAATTGAACCTGCCAAGCATCATGTGCTCCAATGATGTATTAGCCCAT

Table 2

CAGTCCACAGTGGGAAGCCGTTAATAAAGCAGGAAATGATCTAATTGAATCA

Sequence 1904

AGGTACGAATGCTCTCTTCTCCTCTTACCAGCATCATCCGAACACTCTCAGACATCATGG
TGATGAATATTTTCAGAATGCTGATGTTGAAGCCAGGTTTCACAATCTGGCGGTGCTTTT
TCCATTTAGAACCATCCAGGGTCACAAGTCCTCGACCAACCCAGGATTCAAGGATTTTGT
GGCTAACAGCACTTTTGGGATCTTGTCTTTTCAGGAGAATCTTGGCATAGTCTGGGTCAT
GGACACTGAAGAACATCGTAAAGGGTCCAACCCACAAGGGAACAGCACATGGGTATTTT
CCATCAGCTTATGATACACCTCAAACCTCCTTTACTGGGTAAAACTCCTTGTGGCCATAGA
ACCAGTGGGCAGGGGGTGCAGGAAACAGGTGCAGGGCTCTGATCATCCATCTCCTCCTCT
GGTACCTGCCCCGGCGGCCGCTCG

Sequence 1905

CCGGGCAGGTACTTAAGCCAATTTCTTTGAATAATTTTTTTTTTTTACATTTTATTTTA
AAAATGAGACAGAGGCTGGGCGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGC
TGAGGCAGGCGCATCACTTGAGGTGAGGAGTTTGAGACCAGCCTGGCCGGCATGGTGAAG
GCCTGTCTCTACTAAAGATACAAAAAAATTTGGCTGGGCATGGTGGTGCATGCCTGT
GGTCTGATTCTCCTGCTTCAGCCCCCTGGAGTGGCTGGGACTGCAGGCACACACCACCTTG
CCTGGCTATTTAAGCTAATTTCTTTGGCACTCTGTAGCCTCCACATTCAGTTCCTCAC
ATTTATTTTACCTATAATTTCTTCTACCAATTCCTGTATTTTCTCCTTTCTTTTGT
TTCCTGTTCTCTGNGNGTCTTCTTTGGCTCTCTTTGCCTCCTCTTGCCTCCCTATCT
TTTTTTCTTTAGGGTGGGTTTCTTTTTTTTCCCTTTANGTTT

Sequence 1906

CCGGGCAGGTACTTTTAGTGAGACGGGGTTTCACCGTGTGGCCAGGATGGTCTCGATC
TCCTGACCTTGTGATCTGCCCGCCTCAGCCTCCCAAAGTGCTGGGATTACGGGTGTGAGC
TGCCGCACC

Sequence 1907

CCGGGCAGGTACAAAAGAACCAAATGGAGGCCAGGCACAGTGGCTCACACCTGTAATCCC
AGCACTTCGGGAGGCGGAGGCAGGTGGATCACCAGATCAGGAAATCGAGACCATCCTGGC
TAACACAGTGAAACCCCGTCTCTACTAAAAATACAAAAAATTAGCCGGGCATGGTGGCGG
GCACCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATGGCGTGAACCCGGGAGG
CAGAGCTTGCAAGTGAGCAGAGATCGCGCCACTGCACTCCAGCCTGGGCAACAGAGCAAAG
AGTCTGTCTCAAAAAAACAAAAACAAAAACAAAAACAAATGGAAATTAACAACCTGAA
AAATACAAAAACCAAACGAAAACTCATTGGACAAGCTCAACAGTAGACTGCATATGGCA
GAAAAAAGAATCAGCTGAAAAAAGTCAACAGAAATTAACCAATATGAAAAAAGGGAA
AAATAGACCAGAAAAAGGGGGTAAACATGAAAGCCCAAGAGACCTCTGAGACAGTAACAA
AAAGCTCTCCATTCTTATCCAGAGAGGAGAAAGAGTTGGGATGAAAAAATNTTTCAGAAA
TATGGTTAAAATT

Sequence 1908

AGGTACTTATATAATGTGGAGCACACTTGTGGCACCACAGCCCCCACTACCAGCTTCTG
AAGCAGGGAGAGAGCTTTGCCGTGCACACTTGCAAGAGCAAATCCACGAGGAACCCCTCTC
CTTAAGTGGACGGTGGGCGAGGGGGCCCTCAACGAGTTTGCTTTCTCCCCAGATGGCAAG
TTCTTAGCGTGCGTGAGCCAGGACGGGTTTCTGCGGGTGTCAACTTTGACTCAGTGGAG
CTGCACGGTACCTGCCCG

Sequence 1909

AGGTACCCAGCCAGGATGCAATTTTAAATAGGGGGTTTCGAGCTCAGTAAGAAGGGCATGT
TGAACAAAAGACAGAAGAAGATGAGCAAGTGGGCCAAGGGTGTGAGGGAAGGAGAGTCCCA
CAAACAGAAGAGCAAGTATAAAGGTCCACAGTAGGGCCTGTGCCAGCGTGTCTGAGGAA
CTGCAGGGAGGCCCATATGGCTGGAGAAGAGTGAGGAATAGGGAGAGGAGCAGGGATGGG
GTCAGAGACAGGATGAGATGGCAGAGTGTGCAGGAGGATGGGAGTGATCAGTCAGAGTTT
TGTGGCCATCGTAAGAACTTTGGATTTTTCTCTGAAATGGGAGTGATTGTAGGATTTTGA

Table 2

GTAAAGGAGGGACTTGATCTGACTTAGATATGAAATGAGATCTTTGGCTCCTCTGTGTCA
AGAACTGTGAAAGTTNTGCTTACAAGCTAACAGCCTGCTGCAGTTTCACAGATACTAGCA
GAGACACGGGGCTTCCTGGTCAGAGACAAAGG

Sequence 1910

AGGTACCACGTTATCTATCGCGAGTGATAAACCGCCTCTAAACTTTGTGACTTCAAAAAC
ACATATTTTGTCTGATTCTGCATGTCAGCAATTTAGGTTGGGCTCAGAAGGGCAGTGC
TTATCCTATTCTGGGTCTCTTATGTGTTTGCAGTCAACTGCAGATTGGCAGGGAGGGTTT
GCTTCAGGAGGTTGGCTGGCTGTCCACCGGGTCCCTCAGTTCTCTGGCATGTATCTTTC
ACCTNCAGCACGCCAGCCTGGGCTTGT

Sequence 1911

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTAAATTTACAAAATATCTCTGCCACCAC
CAAAACCACAAAAGTATGCTTAATCTTGCTCTTCTAACATATAAGAGTGACCCAGCCATG
AGAAAAATGTTGAATCATCCATATTTCTATATCATGCCTGTGTTAACGTGATGGATAC
CATTTTAGTTGGACCAATGATCGATTTTGGAGAAAAACAAGGTCAAGGAACCTCAAGGTTT
CGCTGCCGTGGAGTGGATGCCAATAGAACTGGAAGTGAAGTGGTGTGATGAAGGAGCT
TCTATGCACCCTTGTGATGACACATACTGTGGCCCTTTTCCAGAATCTGAGCCGGAAGTG
AAGGCTGTAGCTAAGTTCTTTCGAAAACACAGAAAGCACATTAGGGCTTATCTCTCCTTT
CATGCATATGCTCAAGATGTTACTGTATCCCTATTCTTACAAATATGCAACAATTCCCAA
TTTTAGATGTGTGGAATCTGCAGCTTATAAGCTGTGAATGCACTTCAGTCAGTATACGG
GGTACCTGCCCCGGGCGGGCGCTCTTAGAACTAGGTGGNTCCCCCGGGCTTGCAAGG
GAATTCGAATNTCCAAGCTTTATCGGATACCCGGCCGACCTCGAAGGGGGGGGCCCCCG
GTTNCCCCAGCTTTTTG

Sequence 1912

CCGGGCAGGTACTACTGGCCTCTAGGAGGCAGAGGTGAGAGATGTTGCTAAAATACGCAA
GACAGTCTACACGACCAAGAATCATCTGATCTAAAGTGTCAATAGCTCCAAGATTGAGA
ACCTTGGTCTGTGTACCT

Sequence 1913

NCCNTGCCAAGTGGAAGTCTGTTCTGCTTCAGCAATATGCTTCATTTTCATGATTGCAG
AGGTCGTGGGTGGGCACATTGCTGGGAGTCTTGCTGTTGTCACAGATGCTGCCACCTCT
TAATTGACCTGACCAAGTTTCCTGCTCAGTCTCTTCTCCCTGTGGTTGTCATCGAAGCCTC
CCTCTAAGCGGTGACATTTGGATGGCACCGAGCAGAGATCCTTGGTGGCCTGCTCCCCA
TCCTGTGCATCTGGGTGGTGAAGTGGCGTGCTAGTGTACCT

Sequence 1914

GCCAGGATGCAATTTTAAATAGGGGGTTCGAGCTCAGTNAGAAGGGCATGTTGAACANN
ACAGAAGAAGATGAGCAAGTGGGCCAAGGGTGTGAGGGAAGGAGAGTCCACAAACAGAA
GAGCGAGTATAAAGGTCCACAGTAGGGCCTGTGCCAGCGTGTCTGAGGAACTGCAGGGA
GGCCCATATGGCTGGAGAAGAGTGAGGAATAGGGAGAGGAGCAGGGATGGGGTCAGAGAC
AGGATGAGATGGCAGAGTGTGCAGGAGGATGGGAGTGATCAGTCAGGGTTTTGTGGCCAT
CGTAAGAAGTTTGGATTTTCTCTGAAATGGGAGTGATTGTAGGATTTGAGTAAAGGAG
GGACTTGATCTGACTTAGATATGAAATGAGATCTTT

Sequence 1915

AGGTACGCCTATGCCAAGTGGAAGTCTGTTCTGCTTCAGCAATATGCTTCATTTTCATG
ATTGCAGAGGTGCTGGGTGGGCACATTGCTGGGAGTCTTGCTGTTGTCACAGATGCTGCC
CACCTCTTAATTGACCTGACCAAGTTTCCTGCTCAGTCTCTTCTCCCTGTGGTTGTCATCG
AAGCCTCCCTCTAAGCGGTGACATTTGGATGGCACCGAGCAGAGATCCTTGGTGGCCTG
CTCTCCATCCTGTGCATCTGGGTGGTGAAGTGGCGTGCTAGTGTACCTGCCCCG

Sequence 1916

AGTGAAGCTAACTCACATTAATTGCCGTTGCGCCTCACTTGCCCCGCTTTTCCAGTCGGG
GAAACCCTGTCCGTGCCAAGCTTGCAATTAATGAAATTCGGCCAACCGCGCCGGGGGGAG

Table 2

GAGGCGGTTTTGCGTATTTGGGGGCGCTTC

Sequence 1917

CCCTTAGCGTGGTCGCGGCCGAGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCAT
TACATCAAATGAGGTATGGTGGACAATCTTGTTTATAACATCACCTGACCAAGTTTTCTC
CAAGAATTC AACACCTTG TGGATCTCATGTTTTGGATTTTTTTAATATCCTCGTAGAA
GAGGTAGAGGATCCGGTGCATGTCTTTGCAGCCCACCATCCTTTCACATGGTCAAACCA
GGACCCGCCAACAACTTTCCGGACATGAATTTCTCATAAAATTCCTCTAAGTTCTGAGG
ATCAAGCATAAANGAAGCCATCCTGTGAAAAGTGGTAAGTAGGGACACCAGGCAATCCTT
TGGGATTTCTTGCCACAATAGACAAATCTTGGCAAGTTTTCTTTCCAGATAAGATTGG
TGGAATCANAAATNTTAAAGGGAGAATGTGGTTTTANTCAATTGGNGGNGAAGGACANTT
TAAAGAACGAACTTTCAAATCTTGGTTTTCTTTATTGG

Sequence 1918

CCCTTAGCGTGGTCGCGGCCGAGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCAT
TACATCAAATGAGGTATGGTGGACAATCTTGTTTATAACATCACCTGACCAAGTTTTCTC
CAAGAATTC AACACCTTG TGGATCTCATGTTTTGGATTTTTTTAAT

Sequence 1919

CCCTTAGCGTGGTCGCGGCCGAGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCA
TTACATCAAATGAGGTATGGTGGACAATCTTGTTTATAACATCACCTGACCAAGTTTTCT
CCAAGAATTC AACACCTTG TGGATCTCATGTTTTGGATTTTTTTAATATCCTCGTAGA
AGAGGTAGAGGATCCGGTGCATGTCTTTGCAGCCCACCATCCTTTCACATGGCCAAACC
AGGACCCGCCAACAACTTTCCGGACATGAATTTCTCATAAAATTCCTCTAAGTTCTGAG
GATCAGGCATAAAGGAAGCCATCCTGTGAAAAGTGGTAGTAGGACACCAGGCAATCCTTGG
GATTTCTGGCCACATAGACAATCTTGCAAGTTTTCTTTCCAGATAGATGGTGGAAATCAGAT
GTGAAGGGAGATGTGTTTTATCAGTTGGTGGTGAGGACATTTCAAGAACCAACTTCCAA
ATCTGGGTTTTCTTTATGGGGGAAATTT

Sequence 1920

CGCCAGTGTGATGGGATATCTGCAGAAATCGCCCTTAGCGTGGTCGCGGCCGAGGTACA
ACATGGATGCATGAAATTTTAGACATGATTCTAAATGATGGTGATGTGGAGAAATGCAAA
AGAGCCCAGACTCTAGATAGACACGCTTTCCTTGAAGTGAATTTCCCATAAAGAAAAA
CCAGATTTGGAGTTGCTTCTTGAAATGTCCTCACCACAAGTGAATAAAACACATCTCCCT
TCACATCTGATTCCACCATCTATCTGAAAAGAAAACTGCAAGATTGTCTATGTGGCCAGA
AATCCCAAGGATTGCCTGGTGTCTACTACCACTTTCACAGGATGGCTTCCTTTATGCCT
GATCCTCAGAACTTAGAGGAATTTTATGAGAAATTCATGTCCGAAAAGTTGTTGGCAGG
TCCTGGTTTGACCATGTGAAAGGGATGGTGGGCTGCAAAAGACACGCACCGGATCCTCTA
CCTCTTCTACGAGGATATTAATAAAAAAT

Sequence 1921

CCCTTAGCGTGGTCGCGGCCGAGGTACAACATGGATGCATGAAATTTTAGACATGATTCT
AAATGATGGTGATGTGGAGAAATGCAAAAGAGCCCAGACTCTAGATAGACACGCTTTCCT
TGAAGTGAATTTCCCATAAAGAAAAACCAGATTTGGAGTTCGTTCTTGAAATGTCCTC
ACCACAAGTGAATAAAACACATCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGA
AAACTGCAAGATTGTCTATGTGGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTACCA
CTTTCACAGGATGGCTTCCTTTATGCCTGATCCTCAAACTTAAAGGAATTTTATGAGAA
ATTCATGTCCCGAAAAGTTGTTGGCGGGTCTGGTTTGACCATGTGAAAGGATGGTGGGC
TGCAAAAGACATGCACCGGATCCTCTACCTNTTCTACGANGATATTAATAAAA

Sequence 1922

TATAGGGAGTGCACCCACGCGTCCGCCTCTCATGGTTCAATGTACCATGTCCCTGCTGT
GCCCACTGCTGCTGGCTTTAGCCCTGGTGGCTGTCCCTGGTGCCCATGGCAATTGCCCGG
TGCCCGCAGACCTGAAGAAGTCAGATGGGACGCGTACGTGCGCCAGACTCTATGAGAAGA
GTGATCCATACTATGACAAGTGTGCCAGGGGCCCGTGTGTCTGTGGAGCCAGGTACTG

Table 2

ACCTGCCCTATCTGCCCTCGGGCTGGTCTAACACTGCATCGTCTCTGGTAGTGGGCCAGC
GCTGTGAGATCACTGTGTGGTCTCTCCCGGTAAGCATGGCAAGACCCGCAAGTTCACCG
CGGGTTCTTGCCTCCCTGAAAAAGTACCGCAAAGGCATCTTTGGAGACTGGTCCGACTC
CATCTNTGCCTCTACTGCAAAGTGCTATTGATGCCTTGAGGCTCTGTCTACCANCCTGGC
CTTGGGAATTGCTGTACTTCAAAANCCAGGANGCAAGATGACCCACGACCTGCTCTNAT
AGCTTCCTGTAATACAGCCCTTTCAAAAGTTAAAAA

Sequence 1923

CTCTGGGAGAGGGAAGCTCCCTCCTGGNNCCACCCCTTTCCCAATNATTGAAACATCCT
TCATATANATATAAAGANCATNAGCAAATCTTCAACTATTTCTCAAAAGTCTATGGCCCC
GTGTTCACTCTGTACTTTGGTTCAAAGCCTACTGTGGTGGTACATGGATATGAAGCAGTA
AAGGAAGCTCTGGATNACCTTGGAGAGGAGTTTTCTGGGAGGGGTAGTTTTCAAATTTT
GAAAGAATAAATAATGATCTGGGGGTGATTTTCAGCANTGGAACAAAATGGAAGGAGCTT
CGCGCTTCTCAATCATGACCTTGAGGAGTTTTGGGATGGGGAAAAAGGAGCATCGAGGAT
CNCATTAAGAAGAANCATCCTGCTTGTGGAAGAACTAAAAAAGCAAATGGTTCACCTC
TGGGATCCCCATTATCCTGACTGNGCTCCCTCCAATGNGATCTGTTCAGTTNTTTTCCA
CAATCNNTTTGATTATAAAGATGAGAAGTTTCTTAACCTTGATGGANAGACTCATGAAAA
CTTTAAATCTTGAACCTCCCATGGATGCAGGTCTCAATGCTTTGCCTACCCTNATAATTT
TTTTCCCGGGGNCATAACAAAGTNNTTAAAAATTTTN

Sequence 1924

CCCTTAGCGTGGTCGCGGGCCGAGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCA
TTACATCAAATGAGGTATGGTGGACAATCTTGTTTATAACATCACCTGACCAAGTTTTCT
CCAAGAATTCCAACACCTTGTGGATCTCATGTTTTGGATTTTTTTAATATCCTCGTAGA
AGAGGTAGAGGATCCGGTGCATGTCTTTGCAGCCCACCATCCTTTCACATGGTCAAACC
AGGACCCGCCAACAACTTTTCCGGACATGAATTTCTCATAAAATTCCTCTAAGTTCTGAG
GATCAGGCATAAAGGAAGCCATCCTGTGAAAAGTGGTAAGTAGGACACCANGCAATCCTT
GGGATTTCTGGCCACATANACAATCTTTGCAAGTTTTCTTTCCTGATAGATGGTGGAAATC
AGATGTGAAAGGGAGATGTGTTTTATCAAGTTGGTGGTGAGGACATTTCAAGAACCGAA
CTCCAAATCTGGTTTTTCTTATGGGGAAA

Sequence 1925

CCCTTAGCGTGGTCGCGGGCCGANGTACCGCATTATGGTTGGCCATGGGATTATCCTTCA
TACATCAAATGAAGTATGGTGNACAATCTTGTTTATAACATCACCTGACCAAGTTTTCTC
CAAGAATTCCAACACCTTGTGGATCTCATGTTTTGGATTTTTTTAAATATCCTCGTACA
AGAGGTNGAGGATCCGGTGCATGTCTTTGCAGNNCCACCATCCTTTNACATGGTCAAAC
CAGGACCCGCCAACAACTTTTCTGGACCATGAATTTCTNATNAAATTCCTCTAAGTTN
TNAGGATCANGCATAAANGAAGCCATCCTGTGAAANNTGGTANTAANGACCACNTTGCAA
ATTCTTGGGG

Sequence 1926

CCCTTAGCGTGGTCGCGGGCCGAGGTACTCATTGGAGGATCAGCTCACCTGCTTTGCTCTC
GATGTAGCCTAGCTGGGTTTAGAGCCTTCCCTTGAATGAAGAACCCTCCCCAGCTGGAAG
GGGATGCTCTTGAAAGCTCAGCTGACAACACACATGGGCATCAAGTCATTGGCCACATTC
ATGCCTCAAGTGTCTAAAACCGAATATGATCAAAAGAAAACCTGCTGTTCAANCAAGTG
GGANACTGGCATGCANATTCCTTGGCCTTGCAAACCTNATTGTTAAAAAAGATACCAAAA
ACTNGCTGGGAAAGAAA

Sequence 1927

CCCTTAGCGTGGTCGCGGGCCGAGGTACAACATGGATGCATGAAATTTTAGACATGATTCT
AAATGATGGTGTGAGAAATGCAAAAGAGCCAGACTCTAGATAGACACGCTTTTCT
TGAAGTGAATTTCCCATAAAGAAAAACCAGATTTGGAGTTCGTTCTTGAAATGTCCTC
ACCACAAGTATAAAACACATCTCCCTTCACATCTGATTCCACCATCTATCTGAAAGA
AAACTGCAAGATTGTCTATGTGGCCAGAAATCCCAAGGATTGCCCGGTGTCCTACTACCA

Table 2

CTTTCACAGGATGGCTTCCTTTATGCCTGATCCTCAGAACTTAGAGGAATTTTATGAGAA
 ATTCATGTCCGAAAAGTTGTTGGCGGGTCTGGTTTGACCATGTGAAAGGATGGTGGGC
 TGCAAAAGACATGCACCGGATCCTCTACCTCTTCTACGAGGATATTAATAAAAA

Sequence 1928

CCCTTTCGAGCGGCCGCCCGGGCAGGTACAGTGGTGCTGCTGGAAAGAATAAATAATGGA
 GAATGAAACATTACTGGAAAATCTAAGCAGACCATGGGGACCACAGAGTTTCATTTGACA
 TCTTAGACTACAAAGCTTATCTACCTTTCTCATAAAAGGGGAGATGGAGTGGTCCATAA
 TGCTGGTGGGCAAAGTGGTATAGTTGGTCATTGGGTTTTGCTTCATTACATCAAAGGAGG
 TGTGATAGATGATTTTATTCAGAAATTCCTCTGATATGTCTTTTCCAGGAACCTCAGTA
 TCTTCTCAATTTCCCGCTTTGGGTCTAGTTTGTGTTGTTCTCTCAGATCTCCAGGCA
 GAAGTTCAGTGTGGACCCTGCCATCTTCTT

Sequence 1929

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTCTTTTTTCTTTTTTAAAGATTTTGAT
 AAGAACACAACATGAAATCCATCCTCTTCATAAATTTGTAAGTCACAGTACAGTATTGT
 TAACTATAGGTAAAATGTTGATACCAGTAGACGGTGATAAGTCACATATGTACATTGTAT
 TGCCAAAGGGCAACCGCTAAGAAAATTTATATAGTAATACACTCAGAACTCTATAAAT
 AATCAAGATGGAATCATAAAAAATTTCTAATAACCCAGAAAAGCAAGAAAAACAGAGG
 AACAAAGGAACAGAAGAAAACAAACACAAAATAATAAATAGCAAACCTATGGCCTGA
 CAGAAGTATTTACTTTAAAAGGATACAATATGAAGAAAAGGAAAAATTGACCATGAAAA
 AAGATTTGTCTATGAAAATGATTTT

Sequence 1930

CCCTTAGCGTGGTCGCGGCCGAGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCAT
 TACATCAAATGAGGTATGGTGGACAATCTTGTATAACATCACCTGACCAAGTTTTCTC
 CAAGAATTCACACCTTGTGGATCTCATGTTTTGGATTTTTTAATATCCTCGTAGAA
 GAGGTAGAGGATCCGGTGCATGTCTTTGCAGCCACCATCCTTTCACATGGTCAAACCA
 GGACCCGCCAACAACTTTCCGGACATGAATTTCTCATAAAATTCCTCTAAGTTCTGAGG
 ATCAGGCATAAAGGAAGCCATCCTGTGAAAGTGGTAGTAGGACACCAGGCAATCCTTGGG
 ATTTCTGGCCACATAGACAATCTTGCAGTTTTCTTCCAGATAGATGGTGGAATCAGATG
 TGAAGGGAGATGTGTTTTATCAGTTGTGGTGAGGACATTTCAAGAACGAACCTCAAATC
 TGGTTTTCTTTATGGGGAAAATTCAGTT

Sequence 1931

CCCTTAGCGTGGTCGCGGCCGAGGTACAACATGGATGCATGAAATTTTAGACATGATTCT
 AAATGATGGTGATGTGGAGAAATGCAAAAGAGCCAGACTCTAGATAGACACGCTTCTC
 TGAAGTGAATTTCCCATAAAGAAAACAGATTTGGAGTTCGTTCTTGAAATGTCCTC
 ACCACAACATGATAAAACACATCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGA
 AAATGCAAGATTGTCTATGTGGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTACCA
 CTTTCACAGGATGGCTTCCTTTATGCCTGATCCTNAAGAACTTAGAGGAATTTTATGAGA
 AATTCATGTCCGAAAAGTTGTTGGCGGGTCTGGNTTGACCATGTGAAAGGATGGTGGG
 CTTGCAAAAGACATGCACCGGATCCTNTACCTTTTTTNCAGGATATTTAAA

Sequence 1932

CCCTTAGCGTGGTCGCGGCCGAGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCAT
 TACATCAAATGAGGTATGGTGGACAATCTTGTATAACATCACCTGACCAAGTTTTCTC
 CAAGAATTCACACCTTGTGGATCTCATGTTTTGGATTTTTTAATATCCTCGTAGAA
 GAGGTAGAGGATCCGGTGCATGTCTTTGCAGCCACCATCCTTTCACATGGTCAAACCA
 GGACCCGCCAACAACTTTCCGGACATGAATTTCTCATAAAATTCCTCTAAGTTCTGAGG
 ATCAGGCATAAAGGAAGCCATCCTGTGAAAGTGGTAGTAGGACACCAGGCAATCCTTGGG
 ATTTCTGGCCACATAGACAATCTTGCAGTTTTCTTCCAGATAGATGGTGGAATCAGATG
 TGAAGGGAGATGTGTTTTATCAGNTTGTGGTGAGGACATTTNAAGGAACGAACCTCAA
 TCTGGGTTTTTCTTTATGGGGAAAATTTTCAGTTCA

Table 2

Sequence 1933

CCCTTAGCGTGGTCGCGGCCGAGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCAT
TACATCAAATGAGGTATGGTGGACAATCTTGTATAACATCACCTGACAAAGTTTTCTC
CAAGAATCCAACACCTTGTGGATCTCATGTTTTGGATTTTTTAATATCCTCGTAGAA
GAGGTAGAGGATCCGGTGCGTGTCTTTGCAGCCCACCATCCTTCACATGGTCAAACCA
GGACCTGCCAACAACCTTTCCGGACATGAATTTCTCATAAAATTCCTCTAAGTTCTGAGG
ATCAGGTATAAAGGAAGCCATCCTGTGAAAGTGGTAGTAGGACACCAGGCAATCCTTGGG
ATTTCTGGCCACATANACAATCTTGCAGTTTTCTTCCAGATAGATGGGTGGAATCAGAT
GTGAAGGGAGATGTGTTTTATCAGTGGGGTGAGGGACATTTCAAGAACCAACTCCAAAT
CTGGGTTTTCTTTATGGGGAAATTC

Sequence 1934

CCGGGCAGGTACAACATGGATGCATGAAATTTTAGACATGATTCTAAATGATGGTGATGT
GGAGAAATGCAAAAGAGCCCAGACTCTAGATAGACACGCTTTCCTTGAAGTAAATTTCC
CCATAAAGAAAAACCAGATTTGGAGTTCGTTCTTGAATGTCCTCACCACAACCTGATAAA
AACACATCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGAAAACCTGCAAGATTGT
CTATGTGGCCAGAAATCCCAAGGATTGCCCGGTGTCCTACTACCCTTTCACAGGATGGC
TTCCTTTATGCCTGATCCTCAGAACTTAGAGGAATTTATGAGAAATTCATGTCCGGAAA
AGTTGTTGGCAGGTCTGTTTGACCATGTGAAAGGATGGTGGGCTGCAAAAGACACGCA
CCGGATCCTCTACCTCTTCTACGAGGATATTAATAAATCC

Sequence 1935

AGGTACAACATGGATGCATGAAATTTTAGACATGATTCTAAATGATGGTGATGTGGAGAA
ATGCAAAAGAGCCCAGACTCTAGATAGACACGCTTTCCTTGAAGTAAATTTCCCATAA
AGAAAAACCAGATTTGGAGTTCGTTCTTGAATGTCCTCACCACAACCTGATAAAACACA
TCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGAAAACCTGCAAGATTGTCTATGT
GGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTACCCTTTCACAGGATGGCTTCCTT
TATGCCTGATCCTCAGAACTTAGAGGAATTTATGAGAAATTCATGTCCGGAAAAGTTGT
TGGCGGGTCTGGTTTGACCATGTGAAAGGATGGTGGGCTGCAAAAGACATGCACCGGAT
CCTCTACCTCTTCTACGAGGATATTAATAAATCCAAAACATGAGATCCACAAGGTGTT
GGAATCTTGGAGAAAACCTTGGTCAGGTGATGTTATAACAAGATTGTCCCATACCTCA
TTTGATGTAATGAANGATAATCCCAT

Sequence 1936

CCGGGCAGGTACAACATGGATGCATGAAATTTTAGACATGATTCTAAATGATGGTGATGT
GGAGAAATGCAAAAGAGCCCANACTCTAGATAGACACGCTTTCCTTGAAGTAAATTTCC
CCATAAAGAAAAACCAGATTTGGAGTTCGTTCTTGAATGTCCTCACCACAACCTGATAAA
AACACATCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGAAAACCTACAAGATTGT
CTATGTGGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTACCCTTTCACAGGATGGC
TTCCTTTATGCCTGATCCTCAGAACTTAGAGGAATTTATTGAGAAATTCATGTCCGGAA
AAGTTGTTGGCAGGTCTGGTTTGACCATGTGAAAGGATGGTGGGCTTGC AAAAGACACG
CATCGGATCCTCTACCTCTTCTACGAGGATATTAATAAATAATNCAAAACATTGAGATCC
ACAAGGGNGTTGGAATTTCTTGGAGAAAACCTTTGTNAGGTGATGTTATAAACAAGANTT
GTNCCACCATTACCTCATTTTGGATGGTAATNGAAAGGAATAAATTNCCAATGGGCCCAA
CCNATACTGCGGGGTACCCNTNGGGCCCGCTTNTAAAAAACTTAGTNGGGATCCCCCGG
GGCCTTGCAGGGAAATCCGATAATCAAAGNCTTTATTCGATACCCCGNNCCACCNTCTG
AAGGGGGGGGC

Sequence 1937

TCCGCTCCACCGCGGTGGNTGCCGAGGTACATTNTGGATGCTTNAAATTNTAGACATGAT
TCTAAATGATGGTGATGTGGAGAAATGCAAAAGAGCCCAGACTCTAGATAGACACGCTT
CCTTGAAGTAAATTTCCCATAAAGAAAAACCAGATTTGGAGTTCGTTCTTGAATGTC
CTCACCACAACCTGATAAAACACATCTCCCTTCACATCTGATTCCACCATCTATCTGAA

Table 2

AGAAAAGTCAAGATTGTCTATGTGGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTA
CCACTTTACAGGATGGCTTCCTTTATGCCTGATCCTCAGAACTTAGAGGAATTTTATGA
GAAATTCATGTCCGGAAAAGTTGTTGGCGGGTCTCTGGTTTGACCATGTGAAAGGATGGTG
GGCTTGCAAAAGACATGCACCGGATCCTCTACCTCTTCTACGANGATATTAACAAAAA

Sequence 1938

AGGTACAACATGGATGCATGAAATTTAGACATGATTCTAAATGATGGTGATGTGGAGAA
ATGCAAAAGAGCCCAGACTCTAGATAGACACGCTTTCCTTGAAGTGAATTTCCCATAA
AGAAAAACCAGATTTGGAGTTCGTTCTTGAAATGTCCTCACCACAAGTGAATAAACACA
TCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGAAAAGTGAAGATTGTCTATGT
GGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTACCCTTTCACAGGATGGCTTCCTT
TATGCCTGATCCTCAGAACTTAGAGGAATTTTATGAGAAATTCATGTCCGGAAAAGTTGT
TGGCAGGTCTGGTTTGACCATGTGAAAGGATGGTGGGCTTGCAAAAGGACACGCCCCGG
ATCCTCTACCCTCTTCTACGAGGGATATTAACAAAAAATCCCAAAACCATTGAGATCC
CACAAGGGTGGTTGGGAAATCTTTNGGGAGAAAAACCTTTGTCCAGGGNGGATGNTTA
TTAAACAAAGANTTGGNCCNCCCATAACCTTCANTTTGGANTGNAAATNGAANGGGATT
AATCCCCATNGGGCCCAACCATTACCTGGGGGNACCCTGCCCGGGCCGGGGCCGNTNTAA
NACTNGTGGGAATCCCCCGGGCTTGNAAGGGAATTNGANATCNAAGCTTANTNGATT
CCGTCGAACCTCGAGGGGG

Sequence 1939

TGCGCTCACTGCCCCGCTTTTCCAAGTCGGGGGAAACCTTGTCNTTGCCAGCCTGCATTAA
ATGAAATTCGGCCCAACCGCGCGGGGGAGGAAGGCCGGGTTTTCGTAATTGGGGCCG
CTCTTTCCCGCTTTNCTTCGCTCACTTGACTCGCTTGNCGCTCGGGTCGTTTCGGCTTGC
NGCNGAAGCCGGTANTCAAGCTCAACTTCAAAAGCGGGTAATTACGGGTTTATCCACA
AGAAATCAAGGGGGGATAAACCGCCANGGAAAAGNAACATGTGNAAGCCAAAAAGGCC
AGNCAAAAAGGGCCANGGAAACCGNTAAAAAAGGCCGCGNGTTTGCTTGCCGTTTTTT
TTCCATTAGGGCTCCCGNCCCCCTGNACCGNAGCCATCANCAAAAAANCTNACNCC
TTNAAANGTTAGAAAGGTNGGGCGNAAAACCCNGGANANGGGACCTTTTTNANAGGANT
TCCCCANGGCGGTTTTTCCCC

Sequence 1940

GACCACGCGTCCGGCGCCCGGAGACTGTGCAAGGTCACCAAATCAGTGACCATCGTTGTC
CTGTCTTCTTCTGTGTTGGCTGCCCAACCAGGCGCTCACCACCTGGAGCATCCTCATC
AAGTTCAACGCGGTGCCCTTCAGCCAGGAGTATTTCTGTGCCAGGTATACGCGTTCCCT
GTGAGCGTGTGCCTAGCGCACTCCAACAGCTGCCTCAACCCCGTCTCTACTGCCTCGTG
CGCCGCGAGTTCCGCAAGGCGCTCAAGAGCCTGCTGTGGCGCATCGCGTCTCCTTCGATC
ACCAGCATGCGCCCCCTTACCGCCACTACCAAGCCGAGCACGAGGATCAGGGGCTGCAG
GCCCCGGCGCCGCCCCAC

Sequence 1941

AGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCATTACATCAAATGAGGTATGGTG
GACAATCTTGTATAACATCACCTGACAAAGTTTTCTCAAGAATTCCAACACCTTGTG
GATCTCATGTTTTGGATTTTTTAATATCCTCGTAGAAGAGGTAGAGGATCCGGTGCGTG
TCTTTTGACGCCACCATCCTTTCACATGGTCAAACCAGGACCTGCCAACAACCTTTCCG
GACATGAATTTCTCATAAAATCCTCTAAGTTCTGAGGATCAGGCATAAAGGAAGCCATC
CTGTGAAAGTGGTAGTAGGACACCAGGCAATCCTTGGGATTTCTGGCCACATAGACAATC
TTGTAGTTTTCTTCCAGATAGATGGTGGAATCAGATGTGAAGGGAGATGTGTTTTATC
AGTTGTGGTGAGGACATTTCAAGAAACGAACTTCAAATCTGGTTTTCTTATGGGGGA
AATTCAGT

Sequence 1942

AGGTACAACATGGATGCATGAAATTTAGACATGATTCTAAATGATGGTGATGTGGAGAA
ATGCAAAAGAGCCCANACTCTAGATAGACACGCTTTCCTTGAAGTGAATTTCCCATAA

Table 2

AGAAAAACCAGATTTGGAGTTCGTTCTTGAAATGTCCTCACCACAACCTGATAAAAAACACG
TCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGAAAACCTGCAAGATTGTCTATGT
GGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTACCACTTTCACAGGATGGCTTCCTT
TATGCCTGATCCTCAGAACTTAGAG

Sequence 1943

CGAGCGGCCGCCCGGGCAGGTACGCGGGTGAAATTTTAGACATGATTCTAAATGATGGTG
ATGTGGAGAAATGCAAAAGAGCCAGACTCTAGATAGACACGCTTTCCTTGAACCTGAAAT
TTCCCCATAAGAAAAAACAGATTTGGAGTTCGTTCTTGAAATGTCCTCACCACAACCTG
ATAAAAAACATCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGAAAACCTGCAAG
ATTGTCTATGTGGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTACCACTTTCACAGG
ATGGCTTCCTTTATGCCTGATCCTCAGAACTTAGAGGAATTTTATGAGAAATTCATGTCC
GAAAAAGTTGTTGGCAGGTCTGGTTTGACCATGTGAAAGGATGGTGGGCTGCAAAAGAA
CACGCACCGGATCCTCTACCTCTTCTACGAGGATATTAATAAAAAATCCAAAACATNAGAT
CCACGAGGTGTTGGAAATCTTGGAGAAAACCTTTGTCAGGTGATGTTATTAACAAGAT
TGTCCCCCATANCTNATTTGGATGGTTAATGAAAGGATTNATTCCTANTGGGCCCAAN
CTTACCTGGGGGGTTNCCTTTNGGCCGNTTTTTANAACTAGTNGGATTCCCCCNNGGGCC
TTGNAANGAATTNTTTNTTCCAANNCTTTTTNGNNNCCCCGNNNGGCCCTTTANNGG
GGGGGGG

Sequence 1944

CCCTTTGAGCGGCCGCCCGGNCAGGTACAGGAGCCCTGATAGCCATACTCGCCTGTGTG
TTGACATTATTGGTGTGATCCTCCTTATCGTCACTATGAGAAGACGGAAAAAGAGCCC
CTTATTTTGGACGAAGAAAGAGACATCAGAGAAAATATTGTGAGATACGATGACNAGGGC
GGG

Sequence 1945

CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTTCGAGCGGCCCGCCCGGGCAGGTA
CAGGAGCCCTGATAGCCATACTCGCCTGTGTCTTGACATTATTGGTGTGATCCTCCTTA
TCGTCACTATGAGAAGACGGAAAAAGAGCCCTTATTTTGGACGAAGAAAGAGACATCA
GAGAAAATATTGTGAGATACGATGACGAGGGCGGGGGAGAGGAGGACACGGAAGCGTTTG
ACATGGCTGCACTGAGAAACCTCAACGTCATCCGAGACACCAAGACCCGGAGGGATGTGA
CTCCAGAAATCAATTCCTGAGTCGACCAGCTTTTAAAGCATCCAGATAATGTCATCT
TTAGGGAATTTATTTGGGAAAAGATTAAAAAGAACCCGATGTTGATCCTGGTGCTCCTC
CTTATGACTCCCTGCAGACATATGCTTTTGAAGGAAATGGCTCAGTTGCTGAATCACTCA
GCTCTTTAGATTCCATCAGCTCAAACCTTTGATCAGAACTATG

Sequence 1946

CCCTTAGCGTGGTCGCGGCCGAGGTACGGAAACAACACGGAGCCTTTGATCACCTTGAG
GGAAGCATATCCTTCAGATTTACTTCAGAAGGAATGAATACCATCACAGTGCAGGTCTCA
GCTGGGAATGCCATCCTACAAGACACAAAGACCATCGCAGTATATGAGGAATTCGGTCT
CTTCGCTTGCCCTTTTCTCCAAACCTGGATGACTACAACCCGGACATCCCTGAGTGGAGG
AGGGACATCGGTGAGTCATCAAAAAATCCCTGGTGGGAAGCCACAGGGGTTCCAGGCCAG
CACATCCTGGTGGCAGTGCTCCCTGGCTTACCCACCACTGCTGAACTCTTTTGTCTTACC
CTATCANGATCCAGCTGGAGAAAACAAA

Sequence 1947

CGCGGCCGAGGTACGGAAACAACNCNGAGCCTTTGATCACCTTGAGGGAAGCATATCCT
TCAGATTTACTTCANAAGGAATGAATACCATCACAGTGCAGGTCTCANCTGGGAATGCCA
TCCTACAAGACACAAAGACCATCGCAGTATATGAGGAATTCGGTCTCTTCGCTTGTCTT
TTTCTCCAAACCTGGATGACTACAACCCGGACATCCCTGAGTGGAGGAGGGACATCGGTC
CGAGTCATCAAAAAATCCCTGGTGGGAAGCCACAGGGGTTCCAGGTTCANCACTCCTGGTG
GCAGTTGCTCCCTGGCTTACCCACCACTGCTGAACTCTTTTGTCTTACCCTATCAGGATC
CAGCTGGANAA

Table 2

Sequence 1948

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGACCTAGCTCGGGACCGGCCTGGAGAT
GGAGTTCGACTGCGAGGGCCTGAGACGGCTGCTTGGCAAGTTTTTAAAGATAGTTCTCAG
AAAGACCTGCTGAATTTTACTGGCACAATTCCTGTGATGTATCAGGGTAATACATATAAC
ATACCAATTCGTTTCTGGATTTTGGATTCTCACCCCTTCGCTCCCCCTATTGCTTCTTG
AAGCCAACTGCAAATATGGGAATCTTAGTCGGAACATGTGGATGCTCAAGGCAGAATA
TATTTGCCCTATCTCCAAACTGGAGCCATCCTAAATCTGTCATTGTTGGATTAATTA
GAAATGATTGCCAAGTTTCAAGAGGAACCTCCCATGTATTCTCTATCATCTGATGAG
GCACGGCAGGTAGACTTGCTAGCCCTATATTGCAAAAATCACTTGAANGGGTTTCANATA
CAAAATTCAAAGAGCTTGGGCCAAATCATGAGAATTAACNGTCCA

Sequence 1949

CCCTTAGCGTGGTCGCGGCCGAGGTACTAGCANAATTCAGCTCCTGCAGTGATAGGACTG
AGGTCCCTGTTTCCTTGTTGGCTATCAACTGGGGTTTGCTCTGGGCTCCTGGATACTGCT
GCATTCCTTGCCAGGTAGTCTCTCCATCTCCAAGCCANCAACAGCACATAAACCCCTCT
CCTGCTTGAATCTCTTACCTCCTCAGCTTCTGACCTCTAAATACAGGTTTAAAGGGCTC
TGGCAAATGGGTCAAGCCCACTGACAATAAATCCCTTCTCGAAGTCAACTGTGCCATAT
ATTAACATTAATCACAGGAGTNTAANCCACCCCTANTCNCACAGGGCCNTNGGATAATG
CNATAATATTACTGGNTAANAGGGGGTNTTACCTGGGANGGNNCAATTTAAGAAATTTT
TACCCTTANCCACANATTTTACAAAGGGGAAAAAAAACCAAAAAAACCTTGGGCCATT
AAATTAAGNAAATTTNTTAAATGGGGCNCCTAAATTTANGNAAAAATGCAANNCTT
GGANAATTTNTTTAANTTTTTCAAATCCCCTGGNGAAGGCAANGAATNAACCCAAA

Sequence 1950

ACCAGAGGAGGAGATGGACGATCAGAGCCATGCGCCTGTTTCTGCACCCCTGCGCACT
GGTTCATATGGCCACAAGGAGTCTTACCCAGTAAAAGAGTTTGAGGTGTATCCTGAGCTGA
TGGAAAAATACCCATGTGCCGTTCCCTTGTTGGGTTGGACCCCTTACGATGTTCTTCAATA
TCCATGACCCAGACTATGTCAAGATTCTCCTGAAAAGACAAGATCCCAAAAGTGCTGTTA
GCCACAAAATCCCTGAATCCTGGGTTGGTTCGAGGACTTGTGACCCCTGGATGGTTCTAAAT
GGAAAAAGCACCGCCAGATTGTGAAACCTGGCTTCAACATCAGCATCTGAAAATATTCA
TCACCATGATGTCTAAGAGTGTTCGGATGATGCTGAACAAATGGGGAGGAACACATTGNC
CAAACTCACGTTTGGAGCTCTTCAACATGTCTCCCTGAAGA

Sequence 1951

CTCGGGACCGGCCTGGAGATGGAGTTCGACTGCGAGGGCCTGAGACGGCTGCTTGGCAAG
TTTTTAAAGATAGTTCTCAGAAAGACCTGCTGAATTTTACTGGCACAATTCCTGTGATGT
ATCAGGGTAATACATATAACATACCAATTCGTTTCTGGATTTTGGATTCTCACCCCTTTCG
CTCCCCCTATTGCTTCTTGAAGCCAATGCAAATATGGGAATCTTAGTCGGAACATG
TGGATGCTCAAGGCAGAATATATTTGCCCTATCTCCAAACTGGAGCCATCCTAAATCTG
TCATTGNTTGGATTAATTTAAAGAAATGATTTGCCAAGTTTTTCAAGAAGGAACTTCCC

Sequence 1952

CCCTTAGCGTGGGCGCGGCCGAGGTACGGAAACAACACGGAGCCTTTGATCACCTTGGAG
GGAAGCATATCCTTCAGATTTACTTCAGAAGGAATGAATACCATCACAGTGCAGGTCTCA
NCTGGGAATGCCATCCTACAAGACACAAAGACCATCGCAGTATATGAGGAATTCGGGTCT
CTTCGCTTGTCTTTTCTCCAAACCTGGATGACTACAACCCGGACATNCCTGAGTGGAGG
AGGGACATCGGTGAGTCATCAAAAAAATCCCTGGTGGGAAGATNCAGCTGGAGAAAAAC
AAAANGTCAACTGATGACCTGGAGCAGATTTAGAATTGCTTGATCCACAGCTCAACCC
AAACTCAGTACCTGCCCCG

Sequence 1953

CCCTTAGCGTGGTCGCGGCCGAGGTACCTGTAAATCTCTCAGCTAAGTTAAGCTATAAT
TTGATTAGGTTGACTTGGGCAAATGCACCATAAAGTCCTTTCAGAGAAGGAGTTCATT

Table 2

TTCATAGGTTCTACTTGAAGGAATTGTCCAAGAAGGTTTACTGTATAAAGGAAATTGAAC
ACAGAAGGAATGAAAAGTAAAAATTAAACCTAAAATTTGCAGAAGAAAACACTACAGAAA
ATTTTGTGACCTGGGGTTTGGCAAAGATTTCTTAAATATGACACCAGAAGCACAGTCTA
TAATGAACGTATTAGTTTATTGGGTAAATCAAAATGTAAACCTCTGCTCTTCAAAAGAC
AGTTATTAAGAGAATAAAAAGAGAAACCACAAGATTGATAATCTTTGTAAGCCATGTATC
TTGATCAAGGACATTGTAGAATATATAAAGAACTTCTGAAAGCTCAATAGTAAGGAAAAC
AAATGGCTTGGGTGCCGGAGGCTNATTCTGTAAATNCCANCACCTTT

Sequence 1954

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGCTCTCCTTGAAGTCCGGAGGAGTTTCCTG
GATTTGGCACTCTCGTGCAAAGCGGTCTATGCTGCAGAGTGTCTCCTCTGCAGAAGTCT
GAGATAGTGGATGTGGTGAAGAAGCGGGTGAAGGCCATCACCTCGCCATCGGAGACGGC
GCCAACGATGTCGGGATGATCCAGACAGCCACGTGGGTGTGGGAATCAGTGGGAATGAA
GGCATGCAGGCCACCAACAACCTCGGATTACGCCATCGCACAGTTTCTACTTAGAGAAG
CTTCTGTTGGTTCA

Sequence 1955

CCCTTAGCGTGGTCGCGGCCGAGGTACTAGCAGAATTCAGCTCCTGCAGTGATAGGACTG
AGGTCCCTGTTTCCTTGTTGGCTATCAACTGGGGTTTGTCTGGGCTCCTGGATACTGCT
GCATTCCTTGCCAGGTAGTCTCTCCATCTCCAAGCCAGCAACAGCACATAAACCCCTCT
CCTGCTTGAATCTCTTACCTCCTCAGCTTCTGACCTCTAAATACAGGTTTAAAGGGCTC
TGGCAAATGGGTCAAGCCCACTGACAATAAATCCCTTCTGAAGTCAACTGTGCCATAT
ATTAACATAATCACAGGAGTATAAGCCACCCTAGTCACACAGTCCCATGGATTATGCAA
TATATACTGGTAGTGGGTCTACTGGAG

Sequence 1956

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTGGATCAAGGTGGAGTCCTGGTTGCTATGA
AACACACATCTCTCCCAATTCGACATCTTTGGTTGAGTTTTGATGAAGGGAGATCTTGGA
GCAAATACAGTTTCACATCTATTCCACTTTTTGTGGATGGGGTTCTGGGTGAGCCTGGAG
AAGAGACTCTNATCATGACAGTGTGGGACACTTCAGCCACCGCTCTGAATGGCAGCTGG
TCAAAGTAGATTACAAGTCCATTTTTGATAGACGGTGTGCCGAAGAGGACTACAGACCTT
GGCAGCTGCACAGTCAGGGGGAAGCATTGTATCATGGGGAACAAAAAGGATNTATAAAG
AAAGCCGAAAAAATCANAACCGAAAGTGTATTGCCAAAGGAAAA

Sequence 1957

CCCTTAGCGTGGTCGCGGCCGAGGTACGGAACAACACGGAGCCTTTGATCACCTTGGAG
GGAAGCATATCCTTCAGATTTACTTCAGAAGGAATGAATACCATCACAGTGCAGGTCTCA
GCTGGGAATGCCATCCTACAAGACACAAAGACCATCGCAGTATATGAGGAATTCGGTCT
CTTCGCTTGCTCTTTCTCCAAACCTGGATGACTACAACCCGGACATCCCTGAGTGGAGG
AGGGACATCGGTGAGTCATCAAAAAATCCCTGGTGGGAAGCCACAGGGGTTCCAGGTGAG
CACATCCTGGTGGCAGTGCTCCCTGGCTTACCCACCACTGCTGAACCTTTTGTCTACCC
TATCAGGATCCANCTGGAGAAAACAAAAGGTCAACTGATTGACCTGGAGCAGATATCAGA
ATTGCTGATCCACACCGCTCAACCAAAACTCAGTACCT

Sequence 1958

CCCTTTCGAGCGGCCGCCCGGGCAGGTACAAAGAAACAGCTTCAATCCTTTTGGGGAATG
GCAGGGTTTGCAGAATATGTGTTCCAAATTTGGGGTCATAGCAAAACCCCTTTATAAAG
CAACAAGGGGGCCAGAAAATGAGTCAATGGAGTGGGCCCTAGAAATGAGGGGAAACTTTG
CCAAGTTAAACAGGCTCTTAACAAAGCTCCCACTCTTGGCATCCCAAACCTCATTAAAGC
ATTTTCTTGTATATAGCAGGAAAAAAGGGCATAACTGTGGGAATACTAACCAGAAA
TTGGGATCAGAACCCATACCAACCATCTACTTTCAAAGAAATTGAACAGAGTAGCCTCA
CAGTGACCAAGCTTGCCTGCAGGCAATAGCAGCCACTGTTATTTAGTGGAAGAAGCCAC
TAAATCACCTTGGGTCAACCACTGAAAGTGTTAACTCCACATNAGGTAAGGTGAGTCTCT
GGGAATAAAGGACATATCTGAACGATGGGGAGAA

Table 2

Sequence 1959

CCCTTTCGAGCGGCCGCCCGGGCAGGTACAAAGAAACAGCTTCAATCCTTTTGGGGAATG
GCAGGGTTTTCAGAAATATGTGTTCCAAATTGGGGTCATAGCAAACCCCTTTATAAAG
CAACAAGGGGGCCAGAAAATGAGTCAATGGAGTGGGCCCTAGAAATGAGGGGAAACTTTG
CCAAGTTAAACAGGCTCTTAACAAAGCTNCCACTCTTGGCATCCCAAATTCATTAAGC
ATTTTTCCTTGATATAGCAGGAAAAAAGGGCATAACTGTGGGAATACTAACCCANAAA
TTGNGGATCAGAACCACCAACCATCTACTTTTCAAAGAAATTGAA

Sequence 1960

CTGNACCTAGGGGAACAACCCTGNAGAGTATTTGCNGCCCGCCAGTACANGAATNNNCG
ATANGTNNGNCTATATGCGCGGCTNNNCAGAGAAATGNAATCAGNGGGGCAGAAAAAA
AACGNNANATGGGAGCTNANACTTTATATGAAAAAAAANNATNGGCCNTTNAANNCTT
TTCCCCATCCCCNCCAAAGNCTGGATAGCAAAGCGANATTTTGGGGGGAGAAACGGGG
AAAACCCTAGCCACTNNGGGNNNNNGGNGCNGCNGCGNGGAGGAGAANNATANAAGGCANG
CANNCACAAAAAANAATAAAAAACCCCGGCNTGCNANACAAAGGGANGCNGANG
GGCAANGGAGCCCGCACTACNGGGCNGGACCCCGGGCCCGCNCNANAAACNAGGGGGANG
CCCCGGGCTGCAGGGAANNCCAAAAANCAAGCCNAACGAAACCGGGCCGACCCCGANGGGGG
GCCCCGGACCCAANTTNGGCCCAAAAAGGGANGGNCNAAANGCNCNCTNNGCCCGAAA
CAAGGGCAAAGCANGGANNCCGGGNGAAAAAGGNAACCNCCNCCAAANCCCNACAAAA
CCAANCCGGGAAACAAAAAAGGGGGAAAACCCCGGGG

Sequence 1961

GAAAACCCCTTTGTCNNATACCGGNGNAAAAANAGNCCCCCGCCCGGCCAGGTACCACC
AGNNTTGGCCANCAAAACNCAGANTTCTGGCAGCATNTTTAANAGAGGCCTNCCTGCAGG
AGGCCAGGGCATGAAGAAGCTGAGGCATGAGAAGCNGGTGCAGNNGNATGCTGGGANCA
GAGGAGCCANTTACATCGCACGGAGNACCT

Sequence 1962

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCNTNCTGATGTGCATNGNATT
ATGANGCTTCCAACGCANANTGCTTTNNNNCNANNNCNCTGNAGNCCTATGCNGATTA
CNAAACACNNCNTGNNTGNAAGTNCATNTAATNCNNANACNGNCCNANCCANNNACNTC
ATGGCNGAAAAANCNNACATATNTGCTAGNNGCNCNNATNNANNNATTNAGGGNNTACTT
GNACTNTAATGAANCNTNAAGCAGAGNTAGTGTTTTCCACTTCAAATCAATCATATTTT
TGTCATCTCCAACCTAANATATTTNTAGATTGNCTCCCTATTCTTTGATTCAAANCCA
ATTACANAAACTATGAACCTTGACCTAAATCTGNTTTTGACCANTTTTTNAACATNAANT
AANANAANTTCCAAGCCANTTCTTTTCTTTGCACACTNACCATTTTTTAATTACATCAT
CCTCTATNATNATAGTACTTTCACAACCTACNACTTCTCCTNTATATCAAAAATCATTCTN
ANTTTCCNAATTAATNNACCAANANNAATTTNCCTTCANNNTCTANAAANCANTTTAC
TTTTCAACTCCTT

Sequence 1963

CCGCGGTGGCGGCCCGAGGTACTTCTTACCCGTTTGATTATGATGAACTTTTATGGGAGCA
GAATGCTCTGGACATGCCTTGGAAGTTCTATTATCTTCTAAAGTTGATTTGAATCTACC
ATATCCACTAACGCAACACTCAGATTCACACGTAATGCATACACAATGAAGAAACCAAAA
AAGGCCAAAAATTGCTAAGTTGTAACGAGCAGAGCAGCAGCACTGGAGCGGCTTCGGCCCGT
GGGGCGCCCGGTAGAAGAGGCGTGCGGTCCGTGCTCTCCTCGCCATCGTTCGGGGCCAGG
TCTCGAACCGGAGACCTCATGACGCCTACGTGAGCAGGTGTACCTGCCG

Sequence 1964

GACTACTATAGGGCGAATTGGAGCTCACCGCGGTGGCGGCCGAGGTACAAGTCCTGGGCA
CCTCCTCTTTGCCTCCCTCCTGCCCTTTCTGCTGGTGGGGGCAGATCCTGTACACACA
GACACAGCGTCTGCCCCCGAGCCATTCCCTGGAGACCCTGGGTCTACCCAGGTGGTCTGT
CATCTGGGCCATTTGCCTTACTTCTCTGGAGCATACCCACCCTCAGTTACGTGCCAGACC
TGGACCGCATTCTCCTGCCCTGTCTGGAGCTGGCCCTGCTGCCTGGAGGACCCTGGGT

Table 2

AGGTCCTGAGGGTGGGATGGAGAAGAGGGGCACTGCTGTGGTGTGGGAGCAGTCCTGGGGC
TTCCTGGTGGCTGTGACCAAGTTGAGGGGCTGTTCTGGGTGGGGTGGCAATGGGAGGAC
AGGTCANAGCGCCCTCATTGTGGGGCTGCCCCTCCGGGTTTCTCATCCTGTCTTGGTG
CCTTTTTCTGCCCAACAAGTCCAGGGAAGGCCGAGGTCTCAGACTCCTGGGTAG

Sequence 1965

CCGCGGTGGCGGCCGAGGTACTTGGGACAGTTACAGGCATGCTGCTATTGCCATGATCTT
CGGGAAGCTGAAGTGATGAGCAGCAGTGTGTATTCTGAGGACACAGAGGGCTGGGGTCT
AGGAGCTATCTCAGGTGGGCTCAGTCAGTGCCATCCTCCCTTTTGGTGCCCTCCCTAGAAG
TGCTGAGAAGATGCAAAACCAAAAGCTTTTACTCCAACATTGCTTAGCCAAGCTAAGCAC
ATGCATTCCCTATGATTAGCAATTCTGCTCCTAGCATGTATCCCAGAGAATTGTCCCAT
GGGTCCATAGGGGCGATATAAGAATGGCCATTGCAGCAAAGTTCTGGTTGGGGTAGGGGGA
GCTGAAAGTCATCTGGTGTCCACAACCTGGAGGAATGGATGGATAAAATGGGATGGATACA
CAAGTANGCACACAGATGGGTGAAAGGATGGTCAANCCCTTACATGGACCAGNTTCCTTAT
TCTTAAGCTAAGGATTAGCAATCTTCCAGGCCNAAAAAAAAAAC

Sequence 1966

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTATTGTAGTAGCTATCAGAGTGCAGTTTACC
AAACAGTAATTTATCCTACACATAAACTGCAGACCTAAACAATAATACATATACATAGTT
ATTCTTTGCACCATTTGTTTCAAACAACCTAAATACCAGTCACCTCTATGGCATTCCCTCC
TCCAAAATTTGTATTCCCTCATCTAAATCATGAGAAAAGACAAAACCAAACTGAAAAAGG
ACTTCTACAAAATACATCACCAGCCGTCTTCAAAGCATCAAGGTCATGAAAAACAAGGC
AGAAAACTCCAGAGTGGAGGAGACCAAGGAGGAGTAGGTTCTTGGAGAAGACCAAGGC
CATTTGGGGCAATCTAAAGTCTGGAGTTCACCTAACAGTATCAACCCAATGTTAATTTCT
TAGTTTGATGAATGCATCGTGATTATATAACATTAGAGGAAGCTGGATGAAAGGTCTCAA
CCTCAGCACCCTGGAC

Sequence 1967

AGGTACTTGCCTGGGAGAAGGCAGCGGACGCATCACTTGCATTCTAGAAATAGATGCAA
CGATCAGGACACAAGGACATCCTATAGAATTGGAGACACCTGGAGCANGAAGGATAATCG
AGGAAACCTGCTCCAGTGCATCTGCACAGGCAACGGCCGCTNNTANAACTAANTNGGAT
TCCCCCGGGGCTTGACAGGGAAATTCNATTATTANAGCCTTATCCGATTACCCGTTTCA
AACCTTNGGAGGGGGGGNGGGCCCCCGGNTAACNCNCAAGACTTTTTTTGTTNCCCCT
TTTTAANTTGAAGNGGNTTTAAATTTTGGCCGGCGGCTTTTGGGGCCGGTTAAATTT
CCANTTGGGGTTCCATTAAAGGNCTTGGTTTTTCCCCTGGGTGGTTGGAAAAANAANTTT
GGTTTTAATTTCCCNCGCCTTNAACCAAAATTTTNCACCAACCAAAANCTATTTAA
CCNNAAGGCCCCGGNGGGGAAGGCCCATTTANATAAGNTTGGNTTAAAAAGGGCCNCTT
TGGGGGGGGTTNGCCCCNTTAAATATGGNAAGGNTTGGAAAGGCCTTTAAACCTTTCCA
AC

Sequence 1968

AGGTACGTCTGTTCAGTTTTCTTTGTTTTGAGCAAAGTANTCAGCCCGGGCAGTGCTAG
CTCGCATTCAGGATGTAGTTAACCTANAAACAAGAGGGCACAGCCCGGTACCTTGCC
AGCCGCTCCCTACCCACCCAGGGCATCNGAGGGGGTGGCAGGGAAGGCCCTGACCTGGGC
CGGGTGCCTCAGGGCCAGGTGCTGTCTGTGGAAGGAGTCCAGTCATCACAGCAACCTGG
CAGCGGCTGGGCCCAGAGCCGCTGCTCTACNATGGGAAAACAGAGGCTTGGAGAANCCAA
GTGGCCAGTCCAGGCTTCCCAGTCAGTGAGCGGNGAGCTCTTCAGGTTCCGG

Sequence 1969

AGGTACTGCTGCCATTTTTATTGGTGTGTTGATTATTGGAATGGTGCCATATTGTCACTCC
TTCTACTTGCTTTAAAAAGCAGAGTTAGATTTTGCACATTAAAAAATTCAGTATTAATT
AAACATTACTTATTCTACCTCTTTTTTGGCAAGGAGGACAAATACGCAATGTTGAAAA
CCTTGGATGGATATCTTCTTTAAAAAATGTAAAGATAATTTGGTCTTGAGGGTTTAA
ACGGTTGATAATGCCTCTACAACAACAAGAAAAAGATAAAATACTAGGATAGAATCATG

Table 2

GTGGGCACAGTGGCTTCTCAGGAGGCTGAGGAGGGGAGGGTTTGCTTGAGTCCAGGAGTT
GGAGACCAGCCCA

Sequence 1970

AGGTACGTCTGTTTCAGTTTTCTTTGTTTTTGAGCAAAGTAGTCAGCCCGGGCAGTGCTAG
CTCGCGATTCCAGGATGTAGTTAACCTAGAAAACAAGAGGGGCACAGCCCGGTACCTTGCC
AGCCGCTCCCTACCCACCCAGGGCATCGGAGGGGGTGGCAGGGAAGGCCCTGACCTGGGC
CGGGTGCCTCAGGGCCAGGTGCTGTCGTGTGGAAGGAGTCCAGTCATCACAGCAACCTGG
CAGCGGCTGGGCCCAGAGCCGCTGCTCTACGATGGGAAAACAGAGGCTTGAGAAGCCAA
GTGGCCAGTCCAGGCTTCCCAGTCAGTGAGCGGCGAGCTCTCAGGTTCCGGAGCCCCATG
CTCCCTCCTGGCGT

Sequence 1971

GTAATACGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTACCC
CAAATAACTTTCTTATTGCTCTGAAAGAAGAAAAGCAATGTAAATCACTATGATTATTGC
ACAAACAACCAGAAATTCTCCAACAATTTAAGTAATCTGATCCTCTTCTTGAGAAAAATT
GTTACCTAATAGTTTTCTTATGAATGTTATTACTACTGGTATAAATCAAATTTCTATA
AATTTCTACTTAAGTCTTAAGAACTGGGTTCTTCTTTGATGTTATTCATGTTTCAGAAA
GGAAACAACACTTTACTCTTTTAGGACAATTCCTAGAATCTATAGTAGTATCAGGATATA
TTTTGCTTTAAAATATATTTTGGTTATTTTGAATACAGACATTGGCTCCAAATTTTCATC
TTTGACAATAGTATGACTTTTCACTAGAACTTCTCAACATTTGGGAACTTTGCAAATAT
GAGCATCATATGTGTTAAGGCTGTATCATTTAATGCTATGAGATACATTGTTTTCTCCCT
ATGCCAAACAGGTGAACCAACGTAGGTTGTTTTTACTGATACTAAATGTTGGCTCCCG
NGATTTTATAGTATGCACATGTCANAAAAAGGCAAGACAAATGGGCCTCTTGNACCTCG
GCCCGCTCTTAGAACTAGGTGGGAATCCCCCGGCTNGCAGGAAATTTGCGNATATCAA
GNCTTTATCGAATACCCGNCCGANCCTCGAAGGGGGGGGGCCCCGGGTANCCCAACCTTT
TGG

Sequence 1972

AGGTACAAGTCCTGGGCACCTCCTCTTTGCCTCCCTCCTGCCCTTTCTCTGCTGGTGGGG
GCAGATCCTGCACACACAGACACAGCGTCTGCCCCGAGCCATTCCCTGGAGACCCTGGG
TCTACCCAGGTGGTTCGTATCTGGGCCATTTGCCTTACTTCTCTGGAGCATACCCACCC
TCAGTTACGTGCCAGACCTGGACCGCATTCCTGCCCTGTCTGGAGCTGGCCCTGGC
TGCCTGGAGGACCCTGGGTAGGTCTGAGGGTGGGATGGAGAAGAGGGCACTGCTGTGGT
GTGGGAGCAATCCTGGGGCTTCTGCTGGTGGCTGTGACCAAGTTGAGGGGCTTGTTCTGGGT
GGGGTGGCAATGGGAGGACAGGTCAAGAACGCCCTNATTTGNGGGGCTNCCCNCCCCGG
TTTTCTCATNCTGTCCTTGNGCCTTTTTC

Sequence 1973

AGGTACGTCTGTTTCAGTTTTCTTTGTTTTTGAGCAAAGTAGTCAGCCCGGGCAGTGCTAG
CTCGCGATTCCAGGATGTAGTTAACCTAGAAAACAAGAGGGGCACAGCCCGGTACCTTGCC
AGCCGCTCCCTACCCACCCAGGGCATCGGAGGGGGTGGCAGGGAAGGCCCTGACCTGGGC
CGGGTGCCTCAGGGCCAGGTGCTGTCGTGTGGAAGGAGTCCAGTCATCACAAGCAACCTG
GCAGCGGCTGGGCCCAGAGCCGCTGCTCTACGATGGGAAAACAGAGGCTTGAGAAGCCA
AGTGGCCAGTCCAGGCTTCCCAAGTCAGTGAGCGGCGAGCTCTCAGGTTCCGGAGTCCA
TGCTCCCTCCTGGCGTGAGCCACTCCCGGAAGGCTGTGCCCTGGGCTGCCTGGCTATGCC
TCCCACCTGTGTGTGACACCTGCCCGGGGCGGCCCGCTCTTAGAACTAAGTGGGATCCC
CCGGGCTTGNANGGAATTCGATATTCAAGCTTTATCNGATACCGTCGGACCTCNAAGGGG
GGG

Sequence 1974

CCGGGCAGGTGTACACAGCAGGTGGGAGGCATAGCCAGGCAGCCCAGGGCACAGCCTTC
CGGGAGTGGCTCACGCCAGGAGGGAGCATGGGCTCCGGAACCTGAAGAGCTCGCCGCTCA
CTGACTGGGAAGCCTGGACTGGCCACTTGGCTTCTCCAAGCCTCTGTTTTCCCATCGTAG

Table 2

AGCAGCGGCTCTGGGCCCAGCCGCTGCCAGGTTGCTGTGATGACTGGACTCCTTCCACAC
GACAGCACCTGGCCCTGAGGCACCCGGCCAGGTCAGGGCCTTCCCTGCCACCCCTCCG
ATGCCCTGGGTGGGTAGGGAGCGGCTGGCAAGGTGACCGGGCTGTGCCCTCTTGTCTA
GGNTAACTACATCCTGGAATCGCGAGCTAGCACTGCCCGGGCTGACTACTTTGCTTCAAA
AACAAAGAAAACCTGAACAGACGTACCTCGGCCGCTCTAGAACTA

Sequence 1975

CCGGGCAGGTACAGGTCTGGAGAGGAGATGGCTTCTGAGGCCCATACAAGGTGTGGCCT
GTGGCTGTGCTGAACCTTATGCCTCTACCTAGGCATGAACAAAGGCGGGTTCTGGCTG
GGGTCATCGGAGCCCGGAAACCACTACGACATCTGGGGCAATACAGTCAATGTAGCCA
GCAGGATGGAGTCCACGGGGGTCATGGGCAACATTCAGGTATGTCCAGTGGCACAGCTGG
CACGTGCTCAGACTCGGCATGAGAACAAAACCGGAACAGTGCTTTCCACGTGCCCCGTC
CTCCACCCCTGGCCCTGAACAGTAAGTCCAGAGGCATAGACGTGGGGCAAGTGGAAGA
ATCTCTGCAATAGCTAGCCTCAGCACAGGAAGAAACACTTCCACCCATNCACAAAATCTG
GGCTGAAGTTCTAGATGCATATGGCCTACCTTTGGGTATGAACCT

Sequence 1976

AGGTACTGCTGCCATTTTTATTGGTGTGTTGATTATTGGAATGGTGCCATATTGTCACTCC
TTCTACTTGCTTTAAAAAGCAGAGTTAGATTTTTGCACATTAAAAAATTCAGTATTAATT
AAACATTACTTATTACCTCTTTTTTGGCAAGGAGGACAAATACGCAATGTTGGAAAA
CCTTGGATGGATATCTTCTTTAAAAAATGTAAAGATAATTTGGTCTTGAGGGTTTAA
ACGGTTGATAATGCCTCTACAACAACAAGAAAAAAGATAAAATACTAGGATAGAATCATG
GTGGGCACAGTGGCTTCTCAGGAGGCTGAGGAGGGAGGTTTGCTTGAGTCCAGGAGTTGG
AGACCAGCCCAGGCAACATAGCGTAAACCCCTATCTCTAAAAAATTTTTAGCCAGGTGCG
GTGGCTCACGCCTGTAATCCAGCACTCTGGGAGGCCGAGGCGGGTGGATCATGAGGTCA
GGAGATCGAAGACCATCTGCCTAACAAGGTGAAAACCCCCGCTCTACTTAAAAATACA
AAAAAATTANCCCCGGGCCCGCCGNTGGCCGGGCCCCCTTGGTAGTCCCCAGCCTACTCC
GGGANGCTTGAANGGCCAGGANGAATNGGCNTGGAACCCCCCGGAAGTTNGAGCCTTGC
NAGTGGAAGCCCGANAATTGCNCCCCCTTGCAGTNCGGCAGGTCCGGGCTTTGGGCCGANA
AAACCNAGACTTCTTNTNCAAAAAAAAAAAAAAAAAAAAAA

Sequence 1977

TATAGGGCGAATGGACTCCACCGCGGTGGCGGCCGAGGTACATGACCTGGACAAATTACC
TCCACGGGAAGGCTTCTAGAGAGCTTCAAAAAAGGCTGGAATAATGCTGAAATGACGCG
TCAGCTGCGAGAGCGTGAACAACGCATGCGGAATCAGTTGGAGCTAGCAGCCAGGGTCC
TTTACGACAGACCTTTACCCACAAAACCTTTTTCTAACAACCTTGNGAAAAAGGGGA
TAAACCCNCTTCCCAAATTATCCCTTAGCCAAGNCATGCTAGNCAAAAACCCCAAAAGGT
NCAANAGTTATTTCCCTTGGGCCACCGAACAACACTTTGGGNCNTGGACCTNTATNGTT
TACTGNTGCCGCCAATTTCTNGGCCAGGGAAATNTCCTNGTNCCTTTTTCAGAAGNACTT
CAATCCCTTCAAAAAACAAGGACCTTTGACACCTGGTGTTCCTTGGCCCCCAAGTTCCT
TAGGGGAACTGGTGGGCCACACCAGGNAGGATGTTTNCATTTTTTAAAAAAACCGGG
ATTTTCATTGGAAAAACAACCTTCTNTG

Sequence 1978

AGGTCTCGCAGCAGCTGGGGAGGAGCCAAAGCCTCGGCGCTCACCTAAGCCGCAGGGAGA
TACACCCAACCTGGGAGATGAGGAAACAGCAACCCAGAGAGGAGAACTAACCACACAGGA
TCATTTTCGGAAGGANCAAGGCTGAAGAACCAGACCTGGACTTCTTAGGACAAACTTAC
TGCANCTTGAAGGAGCCAACCATGGATTTGAGGCGTGTGAAGGAATATTTCTCCTGGCTC
TACTATCAATACCAAATCATTAGCTGCTGTGCTGTTTTAGAGCCCTGGGAGCGATCTATG
TTTAACACCATCTTACTAACCATTATTGCTATGGNGGTATACACTGCCTATGTCTTTATT
CCAATCCACATTGCGCTGGCTTGGGAATTTTTCTCAAAAATATGTGGATATCACANTACC
T

Sequence 1979

Table 2

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGNGTACATTTTTAACTTCTGATGAT
TACCTATAAAGAACTATTATTCTTAATTTTACTAATGAGAAAACAGGCTTTGAAAG
ATTAAGGAGCTTGCCCATGGTCACAGAGCTGGGTAAATTGTGGAATCAAGATTTAAATCC
AGATCTATCTGCTCATGGTTTATCTATTCATCAGTTTGGTAGAACTAAAATATTTGAAAA
ACCACTAGTCATTTTTTNAAGTATTAATNGCTTACAGAGTTAATTTATCTTTGAAAGGGA
AAACACATAGCCATTCTACTCTAGTGGATGGAAATAGAGTGTTCTTAATTT
Sequence 1980

AGGTACAACACTGTCTCTGAAGGAACCTACTTTCTAGAGACAATAGAGACTCCAAGACCT
GGAAAACCTCTTCCCAAAGATGTAAGCAGCTCCACTCCACCCAGTGTCACATCAAAGAGC
CGGGTGAGCCCGGCTGGCCTNGTTANGGAAAAACCAAATTGAATNCTGTGAGTTGAGCTC
CCGAAAAAGGCCCTTTTATGGTANTTCCAGNAAACCACAANATGNAAAAATACCTCCAGGN
AGNTGGTTATCAAATGCCATCCAAAAGTCNTACTTGNACAATCCTTCATGNGNCATNGGG
GCATNCCCANGGGTTTTNCGNNTGGAAATGGCCAACCATGAAGNTTCAAACCTATTCTT
CCTNGTTCCAGGCCCATTCATTCCAACCCCAAAANTTTGNANTGNCTTANGAATTCT
TTTGCCNTGGAATTTTCATTAAACAAAAGGTNGAAAAAAGGAAAAGGGGCTTGAAAA
AAATCCCCCTTCCCAAAAAGNAACCCCTTAATTTCCANTTTTAACCAAAAATTAAGGCC
CCTTGGGGGGNTTG

Sequence 1981

CGCGGTGGCGGCCGAGGTACTTAGAATTATTAATGAGCCAACCTGCTGCCTATTGTTTACG
GCTTANACAAAAAGGTTGGAGCAGAAAGAAACGTGCTCATCTTTGACCTGGGAGGTGGCA
CTTTTGATGTGTAATCCTCACTATTGGAGGGATGGGAAATNCTTTTGAANGTCCAAGTT
CTTNNNAGGNCCTTGGGTAGAACACCCNCACCTTTGTGGGTGNGNAGAAATGAATNTTTT
GTANCANACCCCCGGAATTNGGGTTCCAAAACCAATTTTTT

Sequence 1982

AGGTACTATGTGACTATCATTGATGCCCCAGGACACAGAGACTTTATCAAAAACATGATT
ACAGGGACATCTCAGGCTGACTGTGCTGTCTGATTGTTGCTGCTGGTGTTGGTGAATTT
GAAGCTGGTATCTCCAAGAAATTGGGCAAGNACCTNNGAGNAGGCATTGCCCCCTTCTTG
GCTTACCACACNTGGGGGTGTTGAAANACCAACCTAAATTTGNTCGGGTGTTAAACCAAN
AAATGGNATTTCCACTTGGAAGGCTCAACCNCCTTACCAGNCCCTNGTAAAGTAAGGAT
TAATTGTAGTGAAANAATTTGGGTTTAAAGNGGGGAAAGGTTTCANGTNCAACCTTTT
NACCANTTTTTATAAGGAAAAAATTTTTGGGGNCCTTAACCAAAACCCCNCGGGAA
CCAACCAAGGTTAATGGCCCCAATTTTTTGGTTNTCCCCAAAATTTTTTCCNTGGGGGT
TNTGGGGNAAAAATTGGGGTTGGGAACCNANAAACCAATTTGGGCCTTTGGNGNNAAGGCC
CCAAAAGGNNGGCCCTTNNAACCAAAATTGGCCCCNTTTGGGGGTTTNTCCAAAA

Sequence 1983

CGAGGTACAGAAGCATATTCCCAATCTGATGAGCAATATGCTTGCCATCTTGGTTGCCAG
AATCAGCTGCCATTGCTGAACTGAGACAAGAACAACCTTATGTCCTGATGCCAAAAATG
CACCTACTCTTTCCTCTAACTCTTGGGTGAGGGTNAATTTCTGGGAGTTGGACCATGNAT
NGGAACCTCCCGCCACCAGGAGCTTTCATTANACCTTCTTCATGGGACCTTTTTTTATTC
TTTCATAGGCCCCGNAATGNACCGGGGAAAAAATAAGGTTTATTATTTCCANGTCCT
AAAGNCCCCAGTAANATTNCNAAAGTNACCCNTTNNGGGCCCCGGCCTTCCTTAAGNAAA
ACTTAAGGTTGGNGGATTTCCCCCCCCGGGGGGGCCTTGNNCAATNGGNAAAATTTTNC
NGAATTAATTCCAAAATGGNCCTTTAATTTCCGGAATTTAACCCCGGGTNCNGGAAACC
CCTTTNTTAAGGGGGGGGNGGGGGGGCCCCCCCCGGGNTTACCCCCCAAGGNCNTTTTT
TTTTGGGTTTTCCCCCTTTTTTAAGGTTGGAANGGGGGTTTTNAAATTTGGGCGNGC

Sequence 1984

AGGTACCGAGCAGGATTACCATGGCAACAACATCATCAGTAGGGTAAACTAACCTGT
CTCACGACGGTCTAAACCCAGCTCACGTTCCCTATTAGTGGGTGAACAATCCAACGCTTG
GTGAATCTGCTTACCAATGAATAGGGAAANGAGCCCNACATCGGAANGGNTCAANA

Table 2

AGCAGACCGTTCGCTTATTGAACCGNNTTGGCTCGCCCCACTAAGACCAGTTTAATCCCC
TNNTGGGTANACNTTTTTCTTGACCACNCTNCCTGGCTTTAATAACCCCCANAANAAG
GGTTCANGAAANNNGNATNCCNTTGAAGGGGCCCCCGTCTTTTACCAGGGGTNCTTGGT
TANTTCNGTTTACCCCTTNNGGGNCCGGCNTTNCCTAAGNAAACCTAANGTTTGGGGAATT
CCCCCCCCCTGGGGGCCCTTGGNCAAAGAGGAAAAATTTCCGGAATTAATTNCNAAAAG
TCCNTTTTNAATTCGGGAAATTCACCCCCGGNTTCCCNATAACCCCTTTTGNAAAGGGGGG
GGG

Sequence 1985

AGGTACACCCAGTGGCTCATATTTAACTTCCCCAGCTTCCCAATTCAAACTGGGGGGAA
AAAACTAAATCATTGGGAGTTACTTGCCAACCTGGAAGTTGATATTTCTTACTTTGTT
CCATTTCTAAGACTTTAAGTTCTCTGGNCATGGAGNTTATCTGCAAATTCANTAANAC
CTAATNCANTTTTGCTCTAATACCCCCACCNCACCAATTCCCANACCCGTTTAAACAAN
GGCTCACTTGCTCAACCTATAATATGGCCCCAAATNNTTTTGGCCCTCTTCCNCNTTT
TTANATAAAAAAACCTTTTTTATATGGAAGTTTCAACNANTTTTATTTGNGNTA
NAAANACATTTTAAANCCTTNTCNAATACCNATTTTTTNGGGGCCTCCTAACCTTTCCA
AAAGNCCTTCNTTTTTNCTTGGGAAAANGTNTTCTTCCCTTNGGGAANNAATTGGNAA
CCNTNNNANAAATTAATTNGNGANAACCCCAATAAAAAANGNCCTTGGGCNAANCCTNGGN
NTGGNCCTATGNTTNNCCNCNTTGGCCCCCGGGGGGGCCCG

Sequence 1986

GGAGCTCCCCGCGGTGGCGGCCGAGGTCCGCAGCTGGGGAGGAGCCAAAGCCTCGGCGCT
CACCTAAGCCGCAGGGAGATACACCCAACTGGGAGATGAGGAAACAGCAACCCAGAGAGG
AGAACTAACCACACAGGATCATTTGCGGAAGGAGCAAGGCTGAAGAACCANACCTGGAC
TTTCTTAGGACAAACTTACTGCAGCTTGAAGGAGCCAACCATGGATTTGAGGCGTGTGAA
GGAATATTTCTCCTGGCTCTACTATCAATACCAAATCATTAGCTGCTGTGCTGTTTTAGA
GCCCTGGGAGCGATCTATGTTTAACACCATCTTACTAACCATTA

Sequence 1987

AGGTCTCGCAGCAGCTGGGGAGGAGCCAAAGCCTCGGCGCTCACCTAAGCCGCAGGGAGA
TACACCCAACTGGGAGATGAGGAAACAGCAACCCAGAGAGGAGAACTAACCCACACAGGA
TCATTTGCGGAAGGAGCAAGGCTGAAGAACCAGACCTGGACTTTCTTAGGACAACTTAC
TGCAGCTTGAAGGAGCCAACCATGGATTTGAGGCGTGTGAAGGAATATTTCTCCTGGCTC
TACTATCAATACCAAATCATTAGCTGCTGTGCTGTTTTAGAGCCCTGGGAGCGATCTATG
TTTAACACCATCTTACTAACCATTATTGCTATGGTGGTATACACTGCCTATGCTTTATT
CCAAT

Sequence 1988

CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACCTGTTCTA
TAGTGATCATCATTGCTAACAGCTAAAAAACTTCCATTTAGGCAACCAGAGGAAGAAAAC
GTTCCATCTATCTCATTGGCTATCTCCACAGGAAACCTTCCAGAAGGATAGCTCAGCCAT
TTCTGAATTAGAGCTTCATTCACTGTCCAGATCTGCTTTGTCGGATTGGGACATCTGAAG
TCATCTGGTGGCCCACAGTTCTGGGGACTAGAGTAATGTGAAAAGCTTTGATCTCCCCCT
GAGAAAATTCTTTTACACAGAAATATTCTTCAGAATCAATATCTGGTAGACACTGCCCA
TTATAGGGGTACCT

Sequence 1989

CTATCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTGCGCAGCAGCTG
GGGAGGAGCCAAAGCCTCGGCGCTCACCTAAGCCGCAGGGAGATACACCCAACTGGGAGA
TGAGGAAACAGCAACCCAGAGAGGAGAACTAACCACACAGGATCATTTGCGGAAGGAGC
AAGGCTGAAGAACCAGACCTGGACTTTCTTAGGACAAACTTACTGCAGCTTGAAGGAGCC
AACCATGGATTTGAGGCGTGTGAAGGAATATTTCTCCTGGCTCTACTATCAATACCAAAT
CATTAGCTGCTGTGCTGTTTTAGAGCCCTGGGAGCGATCTATGTTTAACACCATCTTACT
AACCATTATTGCTATGGTGGTATACACTGCCTATGCTTTATTCCAATCCACATTGCGCT

Table 2

GGCTTGGGAATTTTCTC

Sequence 1990

GTGGCGGCNCGAAGNTACCCCCAATCTGAAGTCAGTAAATGAACTAATCTACANGCGTGG
TTATGGCAAAATCAATAAGAAGCGAATTGCTTTGACAGATAACGCTTTGATTGCTCGATC
TCTTGGTAAATACCGGCATCATCTGCATGGAGGATTTGATTCATGAGATCTATACTGTTG
GAAAAAACCGCTTCAAAAGAGGGCAAAATAACTTCCTGTGGGGCCCCCTCAAAAATTNGT
CTTTCTTCCACCGNAGGGTNGGGAATGNAAAGGAAAAAAGGACCCACCCCATTTT
TTTGGTAATAAAGGTGGGAAGAATGGCCTGGGCCAAACCANGGGGAGGGGACCCAAGG
AATCCAAACCAGGGGCTTTATTTTANGGAAAGGAAATTGAAACCCTAAAGGGGTGGTT
CCTTAACCCAATTGGAATTAATTTTTTTTTTNCCTTAAAGGCCCTTGGGGTTTNGGGTTT
TAAAAATAAAAAACCAAGNTTACCCCTTCCGGGGCCCCCGCCTTTCTTAAGNAAACCTTA
AGGTTGGGGGAATTCCCCCCCCCGGGGGCCCTGGGCNAGGGGAAAAATT

Sequence 1991

AGCTCCCCGCGGTGGCGGGCCGAGGTGCANCAGCTGGGGAGGAGCCAAAGCCTCGGCGCTC
ACCTAAGCCGCANGGAGATACACCCAACCTGGGAGATGAGGAAACAGCANCCAGAGAGGA
GAACTAACCACACAGGATCATTTGCGGAAGGAGCAAGGCTTGAAGAACAGACCTGGAC
TTTCTTAGGACAACTTACTGCAGCTTGAAGGAGCCAACCATGGATTGAGGCNGTGTGA
AGGAATATTTCTCCTGGCTCTACTATCAATACCAAATCATTAGCTGCTGTGCTGTTTTAG
AGCCCTGGGAGCGATCTATGTTTAAACCCATCTTACTAACCATATTGCTATGGTGGTAT
ACACTGCCTATGTCTTTATTCCAATCCACATTGCGCTGGCTTGGGAATT

Sequence 1992

AGGTACACATAAGTGTGTGTGTCTCAGGAAGTAGGAAATAAAATGGAAGCTATTATGAC
CTCAAAAAAAAAAGCCAACTTTGAGCTAGGATAAAAAATTGGGTAAAGGACATTTGCTTAC
CTGCAATGAATCAACTTGTGGAATTTGTGANTCTTCCCATATCATTCAAGAAAACCTGT
CTTTCTGGNATGAAATTAAGTGGGCAGAAAATAATAATGNAGCAACTCTTGGCAGGTGNAG
CCTAANATTNGATCCCNAAATTAGAGGTTTTTCTGGCTTTAAGCANGACCAGGANAGG
GTATTAAATCTTTTTTTGGACAACCCCTTTTTCCCCACCCTNGGATGGCCCNTAATGCTT
AGGGCCTTGGNCCCTGGAGGAAACATTCNCTCAGGTTAAACCTTTGAATATTTNCACCA
TTGGACCTTACCCAGGGGAATGGTNCCCCCATTTCTTGCCAGGGGGGCGNTGGAAGTTTC
CANGNTTTTGGGGGGGAAAACCACCC

Sequence 1993

CCGGNCAGGTAAGTACTGAGCAGGATTACCATGGCAACAACACATCATCAGTAGGGTAAAACTA
ACCTGTCTCACGACGGTCTAAACCCAGCTCACGTTCCCTATTAGTGGGTGAACAATCCAA
CGCTTGGNGAAANTNCTGCTTTCACAANTGGATAGGGAAAGAAGCNCGACCATTNAAAN
GGATNANAAAAAGNCGNACCGTCTNNTTATTGGNACGACTTTNGNCNCGCCCAACAAGGC
ACAGGTTTATTCCCTGGTGGTTAACTTTTTTCTTGANCACACTACNCTGGNNTTNAACA
ACCCCCAAGANAGGGTCAAGAAAANGNATCCGTTGGAGGGGNCCCCCCTTTTCCAACGG
GGACCTTGGTATTTCTGAACACTNCGAGCTCGCTTTCTAAANAACCTTAGNTGGGNATAC
CCCCCGGGGNCTTGCNAGGGGGAAATNTCCGCATNATCAAAAGCCCTTAATCCGGAATT
ACCCNTTCGGACCTTCNGANGGGGG

Sequence 1994

CCGCGGTGGCGGCCCGAGGTAAGTGTGATATCCACATATTTTTGAGAAAAATCCCAAGCC
AGGCGAATGTGGATTGGAATAAAGACATAGGCAGTGTATACCACCATAGCAATAATGGTT
AGTAAGATGGTGTTAAACATAGATCGCTCCAGGGCTCTAAACAGCACAGCAGCTAATG
ATTTGGTATTGATAGTAGAGCCAGGAGAAATATTCCTTACACGCGCTCAAATCCATGGTT
GGCTCCTTCAAGCTGCAGTAAGTTTGTCTTAAGAAAGTCCAGATCTGGTTCTTCAGCCTT
GCTCCTTCGCGAAATGATCCTGTGTGGGTTAGTTCTCCTCTCTGGGTTGCTGTTTCTCA
TCTCCAGTTGGGTGTATCTCCCTGCGGCTTAGGTGAGCGCCGAGGCTTTGGCTCCTCCC
CAGCTGCTGCGAGACCTCGGCCGCTCTAAGAATA

Table 2

Sequence 1995

AGGTACCCCTCCAGTGCAACCTCCACGATAGCACCCCTCATTGGGCTTAGCATAGCCCTTCA
CCGCGAGTCTGTATTCTGCGAATGATTCCGCCATCTTCCTCTCCGTCAGATCTTCTCCC
TTAAACTTCAAAACAANCTNCANCTTAAAAATACAAAGCCGNTGNGCCATATGGGGGNG
GAAATCTTTGNAAGGGACCTGCCTGCTGTAAACCCGATAGGCAATATTNATGGATTTTGA
GGGTTGATGTTGGGCAACACCCCTNTCCCCACCTTCAATGGGNTGGGCTAATGGGCAAAT
TGTTCCCCAAAAGCCCTTTGTATTGAACCTCCCCCCTTATTCCCCAAAGGGGTTCCA
AAAAGGGNAN

Sequence 1996

CCGCGGTGGCGGCCGAGGTACAGTATTTAATGTAGATTTACCATGCCGTGTGAAGTCTTC
CCAATTGGGAATTATCAGCAATAAACAGACGCATACCAGCGCCATAGTGAAGCCACAGTC
TAGCTCCTGTTCTATATCTGCCAGCACTGCCTTCGTCACCTTGGAGACATTGCTCGAT
ACAGAAACCAGACCAGCCAGGCAGAGTCTACTATAGGTATGCAGCTCAGCTTGCCCCCT
CCAATGAAGCATTGCTGTGAAGTTCCTTTCCAGCTGCCTCCACTAATCTGCAAAAAGC
ACTTTCTAAAGCACTGGAAAGCCCGAGATGAGGTGGAACCAAGTGGGGGTGTTTCTGA
CTTTCATTCAAGGCCCTTTTATTA

Sequence 1997

GGTAGGGAGAAGAAAAGCANCAAAAGTGAGAGAAGATAATANAGAAACATTCACCACGACT
ATCTCCAGCTCANGGGAAGTGTGTTGGCCTGAAGTTTTTGTAAAGGCTCATGTTTCATC
AAACTCCCAATTCCAGNTGCANTNGTATGTGGGTGGGNTGAGGGAGCACGGAGGAAGGA
CTGGGGGGTGACGAACAAAGAATNCTGCCTTACCTTCANAGGACAGCTGCTCATATTCAT
CTNACACCATGTGGCCACAAAGCGGAAACTCATCCACTTTTTGCCTTTTTCCGCCCCCNG
GTCAAAAATGCGNAATCTTTGGCATCTAA

Sequence 1998

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTGCTCGCAGCAGCTGGGGAGGAGCCA
AAGCCTCGGCGCTCACCTAAGCCGCAGGGAGATACACCCAACTGGGAGATGAGGAAACAG
CAACCCANAGAGGAGAACTAACCCACACAGGATCATTTCCGNGAAGGAGCAAGGCTGAAG
AAACCAGACCTGGACTTTCTTAGGACAACTTACTGCAGCTTGAAGGAGCCAACCATGGA
TTTGAGGCGTGTGAAGGAATAGTTCTCCTGGCTCTACTATCAATACCAAATCATTAGCTG
CTGTGCTGTTNTANAGCCCTGGGAGCCGATCTATGTTTAACACCATCTTACTAACCATT

Sequence 1999

AGGTACAGATGCAAAACAAAAGTGTTACTTCTGACTGGTATATCTGCACAGCAAAATCG
TGTGGTGGGAGCTATGCAGCTATATNCTGNAGATAGGAAAGTGNTTNANCCCATTTGAAG
GACATGNCANANTAGCTTTTTGCACAAGGTTTNAAGAATTGGAAGGGAAAAATTGCCAN
NAAAGNAAATTCAACNGGTATATTTTNGTTTTTGNACAGGTTTNTGNGCCCNAGNCNT
GGGTAGGGGGAAAGCTTTACCATTATTTTANTTNGAAAAGTTTTGGGCNNCANCACAACN
CNTTACCAAGGGNGGTATACCCAAGNCTCCCTTTTTTCCAAAAAGAATANGGGCCAGGA
TGGGGCAATGNTTCNTTTTTCTTTTTCCCCTCCCCAANGAAAAGGCCAACCA

Sequence 2000

CCGCGGTGGCGGCCGAGGTGCTCGCAGCAGCTGGGGAGGAGCCAAAGCCTCGGCGCTCAC
CTAAGCCGCAGGGAGATACACCCAACTGGGAGATGAGGAAACAGCAACCCAGAGAGGAGA
ACTAACCACACAGGATCATTTCCGGAAGGAGCAAGGCTGAAGAACCAGACCTGGACTTT
CTTAGGACAAACTTACTGCAGCTTGAAGGAGCCAACCATGGATTTGAGGCGTGTGAAGGA
ATATTTCTCCTGGCTCTACTATCAATACCAAATCATTAGCTGCTGTGCTGTTTTAGAGCC
CTGGGAGCGATCTATGTTTAACACCATCTTACTAACCATTATTGCTATGGGTGGTATACA
CTGCCTATGTCTTTATTCCAATCCACATTCGCCT

Sequence 2001

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGTGACACCTCACAGTCACTTAC
CAGATACCTGGGCCTTTCCTAGTGACATCCTTCTACTGATGCTAACTGGACCCTGGCCAC

Table 2

ATCAATCGTCTCATCAGAGGGTTTGTGGAGTCTGTCCACTAAGGGTCTGAGGACAAAAGC
AGCCACAGATGTGCAAGTGAACCTTTTTGAGAACACATCACTCTGACAGGCCACATCAG
CCTATTTTGGCCCTTCTGAACACCTAAACAATTCTAACTAGCAGTCTGAAGGCTCAGAC
TGCATTACGTAACCTCTGATCCACCAGGAAAGTTCCAGAACTACTTCAGTAGAAAGGTAG
ATAGGAAAACCCCTCCTAAACAAAGAAATGTACCTTGCCGCTCTAGAATA

Sequence 2002

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGTGATATCCACATATTTTT
GANAAAAATCCCAAGCCAGGCCGAATGTGGATTGGAATAAAGACATAGGCAGTGTATACC
ACCATAGCAATAATGGTTAGTAAGATGGTGTAAACATAGATCGCTCCCAGGGCTCTAAA
ACAGCACAGCAGCTAATGATTTGGTATTGATAGTANAGCCAGGAGAAATATTCCTTCACA
CGCCTCAAATCCATGGTTGGCTCCTTCAAGCTGCAGTAAGTTTGTCTAAGAAAGTCCAG
ATCTGGTCTTTCAGCCTTGCTCCTTCGCGAAATGATCCTGTGTGGGTTAAGTTCTCCTCT
CTGGGTTGCTGTTTCTCATCTCCAGTTGGGTGTATCTCCCTGCGGCTTACGTGAGCGC
CGAGGCTTTGGCTCCTCCCCAGCTGCTGCGAGACCT

Sequence 2003

CGAGGTCAGCATTAAATCGGGATCCAGTTCTTCCAGCATCCCAGAGTCTCAGTCAAACCA
CTCCAATCAGTCTGATAGCGGAGTTTCTGACACCCAGCCAGCAGGACACGTCCGTTCCCA
GAGCATTGTGAGCTCCGTATTCTCTGAAGCCTGGAAACGAGGCACTCAGTTGGAAGAGTC
CAGCAAGGCCAGAATGGAGTCTATGAATCGGCCCTACACTTCACTTGTGCCTCCTGCAGC
AGCAGAAGACGGCTCGAAGCAACATGGACAACATGTTTCGAGAGCTACATCAACAACCTTA
GGCGGCAGCTGGAGACTCTGGGCCAGGAGAAGCTGAAGCTGGAGGCGGAGCTTGGCAACA
TGCAGGGGCTGGTGGAGGACTTCAAGAACAAAGTATGAGGATGAGATCAATAAGCGTACCT

Sequence 2004

NGAATNCNCAGGACTACGTNAATTAANATGANTCTNATCGATNNACNTNGANCTCGGAC
GGGGGGCCCGNNACNCNGNTTTTNTNNCCTNNAGTGAGGGCNCCTTGCACCCTNAGNNTT
NNNATNGTCANNGCTATTATCTGATTAACAATGTNACCATATGGAAGCACTTTNTTTGG
NGTCTCAAAGGAATAACTGCAGCTTGNTTTGAAATTTGTACAATAATGTAAATCCTAAAA
GCACCACTATTTTAGCATAATAAANAAGTCCAAAGAGCTCCTATATAGACTACTCCAG
ATAACTTCGCTTCTTTGATACTTGNAGCTTATTGTAATTTTTTTTAAAAAATTCAANGGC
ATTATTATTGTACCT

Sequence 2005

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTGTCTAA
TCTTTGTTTATAGAAGGAGTAAATAATCGAAACAAAGAACATTCCAGTNTGCAGTGCTGA
TGTTTACACNGATAAGGCAGGGCCAGGCACCAACACTAAGACTGGCTATCTATGAAGGTG
AAAACACATAACTTTGATAATGAAGCTGTCTCCTGATTATAGAAGCTAGGCTGTCTTAA
CTCTTGGGATTTCANAGCCAACCAAGGTCTGGAGAAAACCTCTGCCTGGAGGGAGAGAGCCG
AATATGCAGCCAGGATTTAAAGAG

Sequence 2006

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAGGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGCAAG
TTGTCTGGGTTTCATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCACAAGAATTCAACT
GGATCTGGAAGAGGAAAGAACTGATGGTGTTAACTGAACCCATTTTGATTGAGACCTAC
ACAGGGCTGATGTCATTTCATTGGAAACCGCAACAACTTGGCTATTCCCTTGCCCGTGGG
AGTATTGGGTTT

Table 2

Sequence 2007

CACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGAC
CACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGC
AAATACGACTTCATCATGCTGAGTTGTGTGCNGCTGCAGCGGATTCCTCTGAGCGCTGTC
TATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGA
GAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAAC
CCATGGTCCACTGAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGT
GAGAAATTCCTTGAAATTTGCAAGTTGTCTGGGTTTCATGTCTAAGCTTGTTCCAGCTATC
CAGAATGCCCACAAGAATCAACTGGATCTGGAAGAGGAAAGAACTGATGGTGTAACT
GAACCCATTTTGATTGAGACCTACACAGGGCTGATGTCAATTCATTGGAAACCGCAACAAA
CTTGGCTATTCCCTTGCCC

Sequence 2008

CCGGGCAGGTACATTTTAAACGGGTGCATTGTATGGTATGTAAATCATACCTCAAAAAAG
CTGTTACATAAATGGTGCCTAGAGAGCATATACATGTTCTAACTCATCCGGAGAGTCAG
GGAAGATTTTACTGAAGAAATTAAGTGGAGTTGAGAGTGAAGGAATGAGTTAAATACAT
TAGGGAGAGGTAGAAGTAGAAGGTGTGAGACTTGGGGGTTGAGGGCATTCTAGACACAAA
GGGAAAAGAAGTACACACAAGTCCAGTGTGCGCAAGGAGCTTTGTTTATAGAAAGAAGCT
TGGTCCCCTCAGTTCTATGCTGTTGTGTGGCCTGGTTGGTACCT

Sequence 2009

TATGTAAATCATACCTCAAAAAAGCTGTTACATAAATGGTGCCTAGAGAGCATATACATG
TTCTAAACTCATCCGGAGAGTCAGGGAAGATTTTACTGAAGAAATTAAGTAGGAGTTGAG
AGTGAAGGAATGAGTTAAATACATTAGGGAGAGGTAGAAGTAGAAGGTGTGAGACTTGGG
GGTTGAGGGCATTCTAGACACAAAAGGAAAAAGAGTACACACAAGTCCAGTGTGCGCAAG
GAGCTTTGTTTATAGAAAGAAGCTTGGTCCCCTCAGTTCTATGCTGTTGTGTGGCCTGGT
TGGTACCT

Sequence 2010

ANGTACCTAGATAGGAGAAATATCCAACNNCCATNTGTCACAGTGTCCCTCAGTTGGGGAA
GGGGATAGGCATTGGGGCAGCTAGCTGTCCTGTAACCTCTCCTGAACGACTCCGGGCTG
GGTCAGCCCTTTATGACTGTAGCTCGCAAACGCTTANCGTCCCTGGCCTTCTGGGCTGC
TCAGGCTGGGATCCAGAGAGTCGAGGTGAGAGCCACCACGTGTCTGAAAGGTCTTCCTT
CCTTCGTAACCCCTTGGGAGATCTCATCCTGGTGTGGGCCAGGTCTGGTAGTCAGGAAC
TCCTCCGTCAATGGGGTGAGGTGGTTCCCTTTTACATATAGATACTATTTTCATATTTCT
CATTGCTAATTCTCCAGATTAATGTCTGTTTTCTTTTTGTGTTCTTCCCAAGGTC
TTTAAGTGGAGTGGAGAAAATTCATACTTTATCAATGGAGACATAAGTTCTTTAGAAGT
GGTGGTGGAGGGTAAGGNTTTTTGTTTTGTTTTCTTATTGGTATTTTACCACCTGACC
TGAGTGGGGTCTGT

Sequence 2011

AGGTACCTAGATAGGAGAAATATCCAACNNCCATNTGTCACAGTGTCCCTCAGTTGGGGAA
GGGGATAGGCATTGGGGCAGCTAGCTGTCCTGTAACCTCTCCTGAACGACTCCGGGCTG
GGTCAGCCCTTTATGACTGTAGCTCGCAAACGCTTANCGTCCCTGGCCTTCTGGGCTGC
TCAGGCNCGGATCCAGAGAGTCGAGGTGAGAGCCACCACGTGTCTGAAAGGTCTTCCTT
CCTTCGTAACCCCTTGGGAGATCTCATCCTGGTGTGGGCCAGGTCTGGTAGTCAGGAAC
TCCTCCGTCAATGGGGTGAGGTGGTTCCCTTTTACATATAGATACTATTTTCATATTTCT
CATTGCTAATTCTCCAGATTAATGTCTGTTTTCTTTTTGTGTTCTTCCCAAGGTC
TTTAAGTGGAGTGGAGAAAATTCATACTTTATCAATGGGAGACATAAGTTCTTTAGAAGT
TGGTGGTGGAGGGTAAGGTTTTNTGNTNTTGGTTTCCTTATTGGTATTTTACCACCTGACC

Sequence 2012

GCTAATTGGAGCTCCCCGCGGTGGCGGCCGCTCTCCACTGCATTTTCAATCTCTAGCAAA
GTCTCATGGGGTAACAAAGAGACAGCAATATAATAAAAGAGTCTTCACTGACTGCCTGG

Table 2

GAACAAGCACAACTGCATGGCCATCAAAAACCCCCAAAAGCATCCCTCTGGTCTGCAAG
CAGGTTGCTGCACTTCTCCGGTCTCAATGGGTGCATTTGCAGGCAGCTGATTGCTGTCA
AATCCAAGGATAGAACTGACATTTTGTCTGCAAAATCTGGCACTTTGAAACTGTATTCA
TTAGCTTTAAGGATGCTATTGACTTGTGGAGGTGTGAGGTAAAATTTCTGTGGTGTGGAA
GCATATCTCCTTCCCTGGGTGTACCT

Sequence 2013

GTAACAAAGAGACAGCAATATAATAAAAGAGTCTTTCAGTACTGCCTGGGAACAAGCAC
AACCTGCATGGCCATCAAAAACCCCCAAAAGCATCCCTCTGGTCTGCAAGCAGGTTGCTG
CACTTCTCCGGTCTCAATGGGTGCATNNGCAGGCAGCTGATTGCTGTCAAATCCAAGGA
TAGAACTGACATTTTGTCTGCAAAATCTGGCACTTTGAAACTGTATTCATTAGCTTTAA
GGATGCTATTGACTTGTGGAGGTGTGAGGTAAAATTTCTGTGGTGTGGAAGCATATCTCC
TTCCTTGGGTGTACCT

Sequence 2014

CCGGGCAGGTACAGATACAGTTTTTAAACCTAAAGTTACTGGTGAAACAAGCTTGCTATT
ACTGAGATGTATAATGAATGTCTTAAAGCTATAAATCCACTCATCGTTGTGTTAAGGAG
GAACTGAAGCACAAATTGTTAAGAACAAGTGAATTAGGTGAATATACATTGACAAAAGGT
GATAATAAAGTTGTCAGAAATTTCAAAAATAATTTAGTGTGACTTGAAATCTTAAATCAT
GTTATATTAATTAAGTAACACTTTACTGATTTAATATTTGAGTCATTTCTAAGGAAAAT
ACTGAAATATCAATTGCTTAACAGAAGTTTAAATATACGTAATTTGGCATCTTGGTTTC
ACATGTTATGGAAAAGCTAAACATATTTGGGCCTGTTAATTAAGGCATAAAAATTATTT
TATGAGATGGTGTTCATCTGCAAAATACTAACATGATGCACCTCAAAATGCTTACTAATT
TTCCTAGAAATTAAGGTTACTAAGAGTTAATTAAAATTAATATTTNGAGTANTTTAAA
CCTAGAAATANTGAAGGGAACAAATCTGTACCTCGGCCGCTCTAGAACTNNGTGATCC
CCCGGGC

Sequence 2015

CCGGGCAGGTACAGATACAGTTTTTAAACCTAAAGTTACTGGTGAAACAAGCTTGCTATT
ACTGAGATGTATAATGAATGTCTTAAAGCTATAAATCCACTCATCGTTGTGTTAAGGAG
GAACTGAAGCACAAATTGTTAAGAACAAGTGAATTAGGTGAATATACATTGACAAAAGGT
GATAATNAAGTTGTCAGAAATTTCAAAAATAATTTAGTGTGACTTGAAATCTTAAATCAT
GTTATATTAATTAAGTAACACTTTACTGATTTAATATTTGAGTCATTTCTAAGGAAAAT
ACTGAAATATCAATTGCTTAACAGAAGTTTAAATATACGTAATTTGGCATCTTGGTTTC
ACATGTTATGGAAAAGCTAAACATATTTGGGCCTGTTAATTAAGGCATAAAAATTATTT
TATGAGATGGTGTTCATCTGCAAAATACTAACATGATGCACCTCAAAATGCTTACTAATT
TTCCTAGAAATTAAGGTTACTAAGAGTTAATTAAAATTAATATTAGAGTAATTTAACT
AGAAATAATTGAAGGGAACAAA

Sequence 2016

CCGCGGTGGCGGCCGGGGGCCATTGAGACTACCATGGAAGACTTGAAAGGTCACGTAGCT
GAGACTTCTGGAGAGACCGTTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAAC
AATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGAC
TTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATC
TGCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTT
AGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCCTGGAAACCATGGTC
CACTGAAAGTTCCTTATGCTACTTTCACTTGAGCATCCTATGAAAATACACCAGTGAGAA
ATTCCTTGAAATTTGCAAGTTGTCTGGG

Sequence 2017

ACACCACCTACCTGAATGTCCAGCGGGAAAATGGGACCATCTCCAGATACCGTGGGAGGC
CAAGAGCATTTGCTCACTTGCTGATCCTCAGGGACACCAAGACCTACATGCTTGCTTTT
GACGTGAACGATGAGAAGAACTGGGGGNTGTCTGTCTATGCTGACAAGCCAGAGACGACC
AAGGAGCAACTGGGAGAGTTCTACGAAGCTCTCGACTGCTTGCGCATTCCCAAGTCAGAT

Table 2

GTCGTGTACCTCGGCCGCCCGGGCAGGTACCACGTCCATGGAGAAGATCTGGACAAGCTC
CACAGAGCTGCCTGGTGGGGTAAAGTCCCCAGAAAGGATCTCATCGTCATGCTCAGGGAC
ACTGATGTGAACAAGAGGGACAAGCAAAAGAGGACTGCTCTACATCTGGCCTCTGCCAAT
GGGAATTCAGAAGTAGTAAACTCGTGCTGGACAGACGATGTCAACTTAATGTCCTTGAC
AACAAAAAGAGGACAGCTCTGACAAAGGCCGTACCTCG

Sequence 2018

CCGGGCAGGTACTAATCGTTCCTGTTGATTACTTTTAAACCAGGTGAGAAAAATTAAAT
TATCGTATTCTAACAAAGTAATATGTGAGATTTTGCAAATGATTTTATAGAAATACACAA
AATAACTCTTTAGCTTGCTCTGAGCATTTTTTCTTTCTGATAGCAACTTTTAAACGTT
GTGGATCCACAGAACTTACTGCTTTGCTTTCTTTTGGGGTCATAATCCTCTCCCTT
GGAGTGTCCACTCCATGCATGTGCACTTAGGATGTGTGGCTGTGTGTGTTTGGGAACC
CTCACGGACACATAAGGTTCTATGTCATCAAGTAGAAAACCTATCTCATTATCATTATAA
TGCTTTCAGATGCTTNTAAGGTTACCTCTTTTTAACATTAGAAGTCAGTGAATGCAG
CTTTCATTATAATTTTTAATACTTTAAATGTTTTGTATTAN

Sequence 2019

AGGTACTGTTGCAGTGAGCTCAAGTGTTGGGTGTATCAGCTCAAAACACCATGTGATGCC
AATCATCTCCACAGGAGCAATTTGTTTACCAAGAATCTAAGAATTAAATCTTAGAATGTA
TTAATGTTAAATTTCTGTGAGATTATATTGTAGTCACGTAGAATGTCCTGACTTGTAGGA
ATACCCACTTTTTTCTGATGCTTTACTAATTCATCTTTTAGATTTAAATCATTAGTA
GATCCTAGAGGAGCCAGTTTCAGAAAATATAGATTCTAGTTCAGCACCACCCGTAGTTGT
GCATTGAAATAATTATCATTATGATTATGTATCAGAGCTTCTGGTTTTCTATTCTTTAT
TCATTTATTCAACAACCACGTGACAAACACTGGAATTACAGGATGAAGATGAGATAATCC
GCTCCTTGGCAGTGTTATACTATTATATAACCTGAAAAACAAACAGGTAATTTTCACAC
AAAGTAATAGATATCATGACACATTTAAATAGGGCACTACTGGAACACACAGATAGGAC
ATCCAGGTTTTGGGTCAATATTGTAGACTTTTTGGTGGATGAGATATGCAGGTTGATACC
AGAAGGACAACA

Sequence 2020

CAGCTCAAAACACCATGTGATGCCAATCATCTCCACAGGAGCAATTTGTTTACCAAGAAT
CTAAGAATTAAATCTTAGAATGTATTAATGTTAAATTTCTGTGAGATTATATTGTAGTCA
CGTAGAATGTCCTGACTTGTAGGAATACCCANTTTTTTCTGATGCTTTACTAATTTCA
TCTTTTAGATTTAAATCATTAGTAGATCCTAGAGGAGCCAGTTTCAGAAAATATAGATTC
TAGTTCAGCACCACCCGTAGTTGTGCATTGAAATAATTATCATTATGATTATGTATCAGA
GCTTCTGGTTTTCTCATTCTTTATTCATTTATTCAACAACCACGTGACAAACACTGGAAT
TACAGGATGAAGATGAGATAATCCGCTCCTTGGCAGTGTTATACTATTATATAACCTGAA
AAAACAAACAGGTAATTTTCACACAAAGTAATAGATATCATGACACATTTAAATAGGGC
ACTACTGGAACACACAGATAGGACATCCAGGTTTTGGGT

Sequence 2021

TAGGGCGAATTGGAGCTNACCGCGGCCNGCCGCGCGGTGGCCAGTGAGNCTGCCATGTGCT
GACTTGAAAGGTCCNTNCTGAGACTTCTGGAGAGACCATTACGGCTTCTGGCTCTTGA
CAAACATAGACCACTGGAACAATGATTAAGGAGAGAATTCTACTGGCACAGACAAGACTC
TCTTGATCTGCAAATACGACTTCATCACGCTGAGTTGTGTGCAGCTGCAGCGGATTCCCTC
TGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACA
AGAGACAAGGAGAAGGCCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGT
CCCGCTGGAACCCATGGTCCACTGAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGA
AATACACCAGTGAGAAATTCCTTGAAATTTGCAAGTTGTCTGGGTTTCATGTCTAAGCTTG
TTCCAGCTATCCAGAAATGCCCAAGAATTCAACTGGATCTGGAAGAGGAAAGAACTGA
TGGTGTTAACTGAAACC

Sequence 2022

TGGAANCCCAACCCCNCTGGCGGCCCGCCGGGCAGGTACNTTTTATCTGAAGGGNAGAGGN

Table 2

AGCCCCACCTTTAGTATGTGAATATCTGATGAAACGATTCAATGGNTTTGTAGCATTGGA
TTCAATNTCAGGGNTGGGCTCCTTTCTAGGAATAGAGGAATATTCTTATCTCANGAAAAA
AAATTCATAGTGCGGNNTTTCTCGGGGGGNANATGGTGGAAAAAGGAATCATTGACCCA
ACAAAGGTTGTGAGAACTGCTTTATTGGATGCCNCTNGTGTGGCCTCTCTGTTAACTACA
GCAGAAGTTGTAGTCACAGAAATTCCTAAAGAAGAGAAGGACCCTGGAATGGGNGCAATG
GGTGAATGGGAGGNGGNATGGGAGGNGGCATGTNCTAACTCCTANACTANNGCTTNACC
TTNATTAATGAAC

Sequence 2023

TGAACCATTTACTGTCCGTGTATTTAACTGCACTTGGTAGACAACAGGCCTCGTGCTAT
TGCTCAGGGCCACTGGCTCCCACTCAGGACCTGCTCTGCGTTGTACCTCGGCCGCCCGG
GCAGGTACCAGGCTAAGTAGGTGGTAAATTGAC

Sequence 2024

TGAACCATTTACTGTCCGTGTATTTAACTGCACTTGGTAGACAACAGGCCTCGTGCTAT
TGCTCAGGGCCACTGGCTCCCACTCAGGACCTGCTCTGCGTTGTACCTCGGCCGCCCGG
GCAGGTACCAGGCTAAGTAGGTGGTAAATTGAC

Sequence 2025

CCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCT
GAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAAC
AATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTTGTATCTGCAAATACGAC
TTCATCACGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATC
TGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTT
AGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCC
ACTGAAGTTCCTTATGCTACTTTCCTGAGCATCCTATGAAATACACCAGTGAGAAATTC
CTTGAAATTTGCAAGTTGTCTGGGTTTCATGTCTAAGCTTGTTCAGCTATCCAGAATGCC
CACAAGAATTCAACTGGATCTGGAAGAGGAAAGAACTGATGGTGTTAACTGAACCCATT
TTGAT

Sequence 2026

GAGTTCACCTCTTCCCACCTGTGGCTTNTTCTGAGCTTTGTCCCCTGCCTTGAAAGCTC
AGCCAAATCCTGTCTTGAGAAATAGCCTGGTGTGACCTCTGTGAAGTCTCTCTGACCACT
CAGCCTGGTGTCTCTCCCTGCTGAATCCTTAAGCTCCTAACCTCATTCTTCTCTAGAT
GAGCTAAATAAACTTCTTCTGCTACTATCTTTTCATGCATATAATTTTCCCCAACTA
CACCATGAACCTATTGAGGACAAAGACCAATGTCATGATTTTATACATTCAACATGGT
CTAGGACAGTCTCTCTGCCTAAGGACATTGATAAATACTTACTGAATGAAGTGATTAA
TTTCTTCTTTTCAATTATGTTTTACTCTTTCTATGAAATATCTTAACCAAATTTTATTCC
TTTCTAAGTTTTCTTACAGGACGTGATAGGCTGCATGCAAGAGGCATACAGAAATGGG
AAATAGTATTTGCTGTCTGAACTT

Sequence 2027

CCGGGCAGGTACCCTGGAATCATACCTGAAAGCAGTGTTCAACCTTAGCAAAATCTCCAA
CCAGCGCATGAACAATTTTCTACATCACAACGACCTGGTTTTCAAATTCAGTTCTCAAGG
CCAAATCTTTCTAAATTTAACCAAGAACTTCATCAGTTCACAGAGAAAGTAATCCAGGA
CCGGAAGGAGTCTCTTAAGGATAAGCTAAAACAAGATACTACTCAGAAAAGGCGCTGGGA
TTTTCTGGACATACTTTTGAGTGCCAAAAGCGAAAACACCAAAGATTTCTCTGAAGCAGA
TCTCCAGGCTGAAGTGAAAACGTTTCATGTTTGCAGGACATGACACCACATCCAGTGCTAT
CTCCTGGATCCTTTACTGCTTGGCAAAGTACCT

Sequence 2028

CTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAGGTGTTCTTG
CTTAAAGGTCATGTTCTTGTGATAAAACGCACTGCAGAGACAACACAGTTTAATTGGCTG
AGGCAGGTGACTCCCTTTAAGCATCAGGGTGAACAACTACACGACAAAATGTAATTTT
AAAGACCACTCTCATTCAAATGTAATAATATCAAAGCACCCCTTAACCTAATGAGTGA

Table 2

AACAATGAGTGTTCATGGTCTGAACTGTGTTCCCCTCCCCAAACCCGTATGTTCAAGCCCT
AACCCCTAGTTATACACATAAGGTAAATGAAACCTCATTTGGACACAAAGTTTTGCAGA
TGTAATCAAGCTAAAATTATCTCTGTAGGTGGGACTTAAAATAACATGGGTGTCTTTAT
AAGAAGAGGGAACAGAAACAGATAGGATGTGGAGAGGACCATGTGAAGAGAGAAGCTGAG
ACTGAAAAGGATTTATGTATTAATATTGACAGAAGCCAAGGAACACCATCTGAAGTTCTG
ACGGCAACATCAGAAGCTAAGAGAAAGGCATGGAAAAGATTCTTACCTAGAGCATNCAG
AGGAGANGTTGGTCTGCAACACCTTGTTTTCTGACCTCTGACCTNCGCAACTGTGANG
GAAGAAAATTTCTGTTGCTTTAAAGACACACCAGCTTGTTGGTACCCTGCCCGGC

Sequence 2029

CCGCGGTGGCGGCCGAGGTACTACCCTGCGTGCGGCGGTGGGAAGAGCTGTGAGCCTGGA
GGACTCGGGGATGACCTGTGTTCTCTGCTTCCGTTGTCCCCAGTGTGCTTTGCAAGCAT
GTTCCCAGGATGTGGGACCTGAGGAATAACTTAGCAGTGGCCAGCATCTGAAGCTATGTG
TGTGAGCCTAGGACTTTTGCTAGATCCCTGATCAGCTCTTAAAGTAACAGGACCCCAAAA
GGGAAGGGAAATTGAGTTTAAAGTGGGCTAGATAATGGTTTCTCTGGTGCCACGCTGCTT
GGGTTGAGATGCCAGCTCCAGCTTTTACTAGCTGTGTGACATTGGGGAAGTTGTCTAACCT
TCTCTGGGCCTTATTTTCTTTACCTGTAAACAAGGCTGCTGGGCACGGTGGCTCACGCC
TGTAATCCAGCAGCACTTTGGGAGGCTGAGGCAGGCAGATCACATGAGGTCAGGAGTTCAAG
ACCAGCCTGGCCAACATGGGTGACACTCCGTCTTTTACTAAAANTCCANNNNNAAAAAAA
NANNNNAAAAGTCCTG

Sequence 2030

AGGTACTTTCACAGCAACATTTAGACTAGTGTTTGACCAACAACCTGGGCACCACGGTCAA
GCCAAGTTGGCATATAGAATTAGCCAGCAAACTTGGTATTCACAATCTGTCATTATAGTC
TTATCTATAAACCTAAGGTTTAGAGAAACGCTGGTCACTCTGAACAATCCCTGTGAATG
CAGAGATCAAGGAGCCTCCCCTTAACTGGGTAGGCAGTGTGAAATACCTGCAGTGTGCTT
GACCTTACTGTTACCCACTGGCAGCTGTTCTACAGCTTGGCTTCAGATATATAATATT
ACATTGGCTAACTTCAAAGAGCATTGTTTTCCAAGGATAGAGATGGTGATGGTGTATATT
ACTTTTACCAGCCCCAGACCTGTAAGAGGTTCTCATCTCTTTTGTTTAAAGATTTTGTTGN
TTTTTTTAAAGCTCAATAAAAGAAGCTTTATTCTTTCATTAATAAAACAATCTCAAAAG
AACAGGGAAGAAAAGGGTAGCCTATGAAAGTGTGATTGGTATTTGATACCATCGTGACTT
AACTTGGTTTACCTAAGACTCTGAGAATCTATTCTGTTATGNGAGAATTTGGGCTGAG
TCAACTACTATNCATATTAAGTGAATCATTAACAATTAATCCATCATCTGGGTACATT
TGGGGGGGANGGGGCCCTTTACACACACTTAAGCCCCATTTTTTACTTTTT

Sequence 2031

CCGGGCAGGTACCACAAGCTGTGTGTCTTTAAGCAACAGAAATTTCTTCCCTCAGAGTTG
CGGAGGTCAGAGGTGAGAAAACAAGGTGTCTGCAGGACCAACCTCTCCTCTGGATGCTCT
AGGTGAGAATCTTTTCCATGCCTTTCTCTTAGCTTCTGATGTTGCCGTCAGAACTTCAGA
TGGTGTTCCTTGGCTTCATTTTCTGTAGGGGGATTCCCCTGGGTCTGTGCCACTCCTGG
GTGAATGGTTGATCTGTCTCACTCTTCTCCGTGATCCGAAGGTCACACTATGTCACTGAT
GAATCCTTATGTGTCCACCTGGATGTTCCGGTTGAAGAGCTAGTGTCTCACCCTCTTTC
TGCTATTTGTGAGAGTGGTACACACTAACTGCTTCTAGTCAACCATCTTGGCCCCACCTC
ACTCACTTTTCTCAAGTAAATCAAAGAATTTTGAGAAGTGGGAGATGAAATGTTTTGAA
TTGCCCTTCTGTTTTGCATTCTGGAAATTTCA

Sequence 2032

CGAGGTACCTTCTGGGTCAATTCATGCATGTGTGTAGGGATGAGCGTAGGAACCTCATA
ATGCAACTTCAGGGGACCCCTTTCTTGAGCTCCCTCCTCTTTGTGGTTTCCCCAACACTC
TTAGACACCAGGGGGCGCTTTCTCTCCCCTCCGGCTGGCAAGCTGGGGTTTGAGCCTCTC
TGCTCTGTCTTGTATCTCCACAACAGGCTCTTCTTCTGGGGCAAAGGGGTAAAGAAAA
GAAAGAAAAACAAGTAACAGGAATTCTCTCACACTCTTTGAACCCAGGGGTTCTTTTAC
TCAGTTTCTCTGGCCAAAGAGAAGGACTCTGAGGTACCTGCCCG

Table 2

Sequence 2033

CGCCCGGGCAGGTACGTTTAAATGGGATTGTTTGTTCCTTGTGATTTTTTAAGT
TCACCAGATGCACTGTGCTGGGGTCTGTGATAGTCCCTAATTGCTGTGCACCCCTCCCAA
GCCTGAGAGCAGCAGGAGGGAGGGTTCGAGACAGCAAAAAGGTGGACTGCCTCTCTCTT
TGGGAGCTGCATGCCGGAGAAGTGTANAGCTGCTCCCAGCTGGAGAACTCAGGAGGACTA
GGGTGGCCTCACTAGCATCCCAGGCTAGTGGGTCTTATCCTACAAGGTTCAAGTGGTGGT
GAGGTCTGCAGTCTATCACTGCTCAGCCCCATGGACTTGGCCCTTTTCTGGGGAGCGTG
CAAGAAAACCTTGGCCTTCCCAATTGCTGGAGCTGCAGCCCCCTGGTTTGGGGTACCT

Sequence 2034

AGGTACAGATACAGTTTTTAAACCTAAAGTTACTGGTGAAACAAGCTTGCTATTACTGAG
ATGTATAATGAATGTCTTAAAGCTATAATCCACTCATCGTTGTGTTTAAAGGAGGAAGT
AAGCACAATTGTTAAGAACAAGTGAATTAGGTGAATATACATTGACAAAAGGTTGATAAT
AAAGTTGTGAGAATTTCAAAAATAATTTAGTGTGACTTGAAATCTTAAATCATGTTATA
TTAAATTAAGTAACACTTTACTGATTTAATATTTGAGTCATTTCTAAGGAAAATACTGAA
ATATCAATTGCTTAACAGAAGTTTAAATATACCGTAATTTGGCATCTTGGTTTCACATG
TTATGGAAAAGCTAAACATATTTGGGCCTGTTAATTAAAGGCATAAAAATTATTTTATGA
GATGGTGTTCATCTGCAAAATACTAACATGATGCACCTTCAAAATGCTTACTAATTTTAC
TAGAAATTAAGGTTCTAAGAGTTAATTAATTAATATTAGAGTAATTTAAACTAGAAAT
AATGAAGGGAAACAAATCTGTCT

Sequence 2035

CCGCGGTGGCGGCCGCCCGGGCAGGTACAATGAACATTTTCACTGTAGAATGAATTACAA
AACAGTAATATGAAGGAAGGTTTGATTGTAAGCACAGCAGCAGCAATCCTCCAACATTT
ACCCCATTTATCATTTGGTGAGAGGGGAACCTTAACTCTAACCCTTTTACTGTTGTTGCTC
TCTACCATTTTGCTTTTTCATAAAAGTTCTACATCAAACTGTTACTCCCTCTTCCACAA
CAGCACTGAAAACGTATTTCTTAGAGCTATACTGTCCCCAAAATTGGAATACAGACTT
CATGAGAGAATATTTTATCTCTGCCTACCACAGCATGTGAAAAAAAAGGAATTTTTTAAA
ATTTAAATGTTAAAAATTTTCCAATTCTACCAATACCTACCAACTTACAAAACCTTAGAG
AACTCAGAAATACACAAACACACATTCCATTAACCACCAGAGTGATGATGCTGTGCGCTC
ATAGAGCCTCTGGAAAACCCCACTGTATAACTGGTGAGAGAAACAGAGGGAAAAAGGCAA
ACAACCTTGAGAAGAATTACTTAACAAGACATANGGGAAGAGGTAATCACTAAATCCTCAA
TAACACAATTTCCAATTCTATTTAGAATTTGGTATTTGGGCCCAGTGTGGTGGCTCACAG
CAGTAATNCTAACACTTTGGGAGGCCAANGCAGGAAGATGTCTTGGCCCCAGAGTTCGAG
AATCGGNCTGGGCACACAGTGAGGACCCCTTTTTTACAAAAA

Sequence 2036

CCGCGGTGGCGGCCGAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTT
TGAGCTCCACCTTTTCACTGAACCTTTACATTTTGGGGATCTGCTCTTGTAAGGACA
TCCTTTCTGGTCTTTGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACT
AGAAGCAGCTAGTGTGTGCCACTCTCACAATAGCANAAAGAGTGGTGAGACACTAGCTC
TTCAACCGGAACATCCAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCG
GATCACGGAGAAGAGTGAGACAGATCAAGCCATTCACCCANGAAGTGGCACAGACCCAGG
GGAATCCCCCTACAAGAAAAATGAACCTCAAGCTCCATGAGGAGATGTTTC

Sequence 2037

ACGACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCACCATTTGT
TTTTCAATTTGTCCAAAAGCCCCTGCTCGTTCACTTTTAACTGCCAGGTTTACTGGAT
TTCTTTAAAAACGAATAAATAACTCGATGAGTAACAGGTGGAGAACACTCAGCAAGTC
ACGTGACCCCAAGGGATCGGTGAATCAGCTCCATTACCCAGCCTGCCAGGTTGCCCTTTGA
CCTGAGGATGCCCTGCCCCCAACATCACTGCAGGAATTGGGGATGGAGCCAAGGCATAA
GTCTCCATCATTTGACTCCATTATGGAGAGGCGTCATTGTAACCTAAGTTTTCAGAAATT
GGGTATTTTGAAGCAATGGCCCCAATAGTTTTCCCTCCTGTCTGCTTTTATAGAAATT

Table 2

CTTTTCTTTTCTTTTTC

Sequence 2038

NCGACTACTTAGGGCAATTGGAGCTCCCCGCGGTGGCGGCCGATATGGGCTTTTACCCC
AGGCTGAGACAGAACAACTCAAAGAAGAAAGCTCAGGGCTGAGATCCGGGCTGAGATCCA
GACTTCGTGTGAGAGGACACAGCTGTGAAAGACAGAGTTTGTGAGGCTGTGGAGTTGC
AGCTGGAGAAGGTGCTGGGCTTGGGGCACTTTCAGAGAAGGGACCTTGTGCATGTCAAG
GGAAGCCATTTCATGTGGGGGTACCT

Sequence 2039

TGGGGCGGGCCCGAAGGGNTNCCCGGGGNTTGNATGCGGGCAAAGCCGCTGGGCCGTGGC
CTCCAAGAAATCTTTTGGCTTGGTTAAGGCCAAAGTTTTTGGGGTTTTGGTGGCCCAAA
GGGCCCCAAGAAATCCCCTTCCCAAAACCCCTTGTGGGGCCAAAGNAGGGGGTCCCAAGG
GCTTTGGACCAAGNAAGAACTAACCTTCTTCCCCTTTTGGCTTGAAAAGAAAGGGCCTT
TGGGNAAGGGTTGTTTCAAGNTGGGGAACAAGGAAAGGTTGGAAAAGCCAAGCCTTTA
AGGCCCTTTTGAAGGGGCAAAGCCAAAGCCCAACCAATTGGAACCAATTGTTTCAAT
TTCAACCCCTTCTTTGGCCCAAACCCCTTCCCAAGGGGGAACCCCTTCTTTCNTTNT
TGGGGGGGNAAGGGGNCCAAAGGGGGAATTGNAAGGNCCNTTGNACCNTTAANTTGG
GGGCCNTTTGGTTGGCCCCGGGGGAAAAAGGGGGGAAAGGGCCCTTAAAAACCCNGGG
GGTTNNGGGGGCCTTTGGTTGGAAAAGGGGGGGGAAACCCCTTTGGCCTTTGGGG
GNCCCCCCCCAAATTTGGGGGGAANCCTTNGGGTTNAAATTNGCCCCCTTTTCCCCC
TTTTCCCCCCCCCAAAGGGGGGGGNAANTTGNAAAAGGGCCCCCTTTTGGGTT
TTTTAAATTTGGGGGGCCNTTCCCCCTTTAATTTTGGGGCCCTTTTNGGGTTT
TTTTGGGTTTTTGGGCCCCCAAGGGCCCCCTTTTTCTTTCCCCTTCCNGGGGGCCC
CCCCC

Sequence 2040

AGGTACAGCCACAGGTGGAAAAGAACTTGGACTTTCTCAAGGCGGTAGACACGAACCGA
GCAAGCGTCGGCCAAGACTCTCCTGAGCCCAGAAGCTTCACAGACCTGCTGCTGGATGAT
GGCAGGACAATAACACTCAGATCGAGGAGGATACAGACCACAATTACTATATCTCGA
ATATATGGTCCATCTGATTCTGCCAGCCGGGATTATGGGTGAACATAGACCAAAGGGAA
AAAGATAAAGTGAAGATTTCATGGAATATTGTCATACTCATCGGCAAGCTGCAAGAGTG
AATCTGTCCTTCGATTTTCCATTTATGGCCACTTCCTACGTGAAAT

Sequence 2041

CCGGGCAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAAGTCCC
ACCTTTTCAAGTGAAGTCTTACATTTTGGGAGATCTGCTCTTGTAAGGACATCCTTTCTG
GTCTTTGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGC
TAGTGTGTGCCACTCTCACAATAGCAGAAAAGAGTGGTGAGACACTAGCTCTTCAACCGG
AACATCCAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGA
GAAGAGTGAGACAGATCAGCCATTCACCCAGGAGTGGCACAGACCC

Sequence 2042

GCNCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTGGAAATTGCCTCAGAC
AGGGATTGATGTCAGGAGGCTTCAAGGAGAGAAATATACATGAATGGGAGACCCAGGTT
GCAGGCAACAAGAGTCACAGGTATGGGAGAAACCAGGAAGTCTGTGCCATGTTAAGTTG
CTCATCTCATCGGGCTTTGTACTCAGATAAGAATATCATCCAAAAACACAGCATGTTACT
TCTTGAAGTGAGTCTTACTGTTCCACAAAACCCGCGTACCT

Sequence 2043

GCGGCCGAGGTACTNNGGTNTNTNTNNTNTNAGCTNNTNANCTGGTTTTTACTGACTGA
TTNATTTTTGTNCATTTTNCAAGNAANCCTGTAATGAGCATGCATAACATCCANGCCAGA
AAGGGAGGGGCAAGAGGGTGGGCATCCTGTCAGGCACTCAAACCTTTCTGAAATTTGTGC
CACTGGACATATTTAATAATTAACCTTGGGATTGAATTTGGATTCTGTGTGGTTAAANA
GAATANTNCGAAAGGACCCCTGATGTAAAGCCAGAAGCAGANATGCCATGGAAAAGTAAGG

Table 2

CTGAACCTTAGCACATCAANTTCCTGGGGGTTAACAGAAGGTGGCTGAGGCTGTTAATGGG
CCATTCATCCCCTGATTCAAAATCTGAACAGACTTCACCTATTCTGCTCCCTGGTGATGC
TAAAAAATTATCAGCCTATCATTANTCATGGGAAAGGAGTGGAAGAGGAGTTG

Sequence 2044

AGGTACAATCAGGCCACGCCAACCTTCCACCAGTGGCGAGATGCCCCGCCAGGTCTACGGC
TTAAACTTTGCAAGTAAAGAAGAGGCAACCACGTTCTCCAATGCAATGCCGTTTGGCCCTG
AACATCATGAATCCCAAGAAGGAGGTAAGTAGGGCTTTGTCTTGGCCTGATGCTGAGAC
CCTCTCTTGTCTACCTCTGCCCTCCCACAGCTCTGGCTCTCCGGGTACCCTAGCACTGT
CACTGCATTGAGCTGAGGTTGCATGTGTTCTCAGAGAAACCTGCTGCCTGCCTTTAGATT
TAGAGATATTAACAATTAGAGGAGGAAAGAATGGAGTTTGATCTCTTT

Sequence 2045

TNNAACATGTGCTACTGNNCAGGCNGTACCTNTAATACTGGTGATGCTAGANGNNATGTN
TATGNNCANNAGGCAGGGNCCTGATTGTGCTGCAGTGACAATTCACNTNTTNGANNNNNA
CTTNATCANNATGCCNNTNACAGGGTTTGACNTGGNTGTNNACNTTGACNNGTCTATAAC
TAT

Sequence 2046

CCGCGGTGGCGGCCGAGGTACACCAAAATGGATCATAAGCTAGGCCTTAAACAAGTTTT
AATACATTTTAAATAACTGTAAGCATATTGACTATGTTCTCTTACAATAACTGTATTGA
ATTAGAAATCATCAACAATAATTTCTAAGAAGTTGTTCTGTGCAGGAAATGCACAAGG
GGAAAGGAAAAGACACACACAATACTTTTAAAGGGTAAACAGTCTTTATCCCAAGTATATG
GCAATACAGATATAATAACAAATCATATAATAAGCAAATCATATGATAAGCAAATCATG
TAATAAGCAAATTGCAATGGGAAGGGGAGAAGGGAAAATATATATATTTACACTCACC

Sequence 2047

CGCGGTGGCGGCCGAGGTACGCGGGGGGTGCAGGGCAAGTCAGACTGGAACCATGGAGCT
CAGCGTCCCCCTCTTCCCTGCACTCCTCACAGGCCTCTTGCTACTCCTGGTTCAGCGTCA
CCCTAACTCCCATGGCACCCCTCCCACCAGGGCCCCGCCCTCTGCCCTTTTGGGGAACCT
TCTGCAGATGGACAGAAGAGGCCTACTCAAATCCTTTCTGAGGGAGTGGATCTGATTGCC
GTCAATCAATAATACCTTTGACCAAGGGACTCCAATCAATTCAACATGCTTTGCCTAATG
CCTTTTGTGTTAATACTGTTGCGGGACAATCAAAGACTGGAGAAGATCAAAAAAAAAA
AAAAAAAAAAGTCCTGCCCG

Sequence 2048

CCGCGGTGGCGGCCGCCCGGGCAGGTACTATTCCCTCCCTTATTCAAGACTTTGCTTAA
ATGTCACCTGTGTAATGGAATCTTTCCCAATTTGTCAATTTGTCCCATAGACAAATAGA
TCAATAGTTCACTGATCTATTCCCAGTGCTGATAACAATACCTGGCATAGAGTAGATGGT
CAATGAATATGTGTTGAATGAATAAATGAGCAACGTGGGTGAGCCACCCCATGAAGTTAG
CTGGAGGTTTTACAACATCAACAGAGTGAGGTAAGAGCACGGGAGACAAGCCACCATGGT
CACTGTAAACCAGGCTGCCAACTGATTTCAATTACTGCTTACAAGGAGGAAGAACAAGG
ATCCCATGTGGTGCCTAGGAAGTCAACAAAGTTAATAAAGCAGAGTTTTCTAGAGCCTGA
GGATCAAGTATCCAGTAGGAAAGCTGCCCTT

Sequence 2049

TACGACTACTATAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTAC
CAAGATTGAAGCCCCCTAACATTCAGTTCAAGTGTGGTTCCACTTGCCTGAGCACAAGT
TGGAAGTAGCTTTGTTAGGATTCTAGCCGGCATCCTTGCTGTCACTACTGGTCTTGAT
AGTCAAGCCCCACTCTGTGCAGAGCAAATCTTTGCTCAGTTAAGCGAGCGTCAGTCACTG
GTAAGCTTGGCTGCCGGCCCCGGGGTTGTTAGGCTTTTCCATGCTACACCTGAATGAGATA
TTGACGAGACATTGCTACCTAAACAGAGTTGAGAACTGGGATAAATAAATAAATAATT
AAATTGTCACAGGGCTGAGAGAATAATTTGAAAATGCAACTTACACTTNCAGTGCAGAA
ACAGAATCAAGGGAAGTCCTCGGCCCGC

Table 2

Sequence 2050

CCGCGGTGGCGGCCCGAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGT
TTGAGCTCCACCTTTTCAGTGAACCTTTACATTTTGGGGGATCTGCTCTTGTAAGGAC
ATCCTTTCTGGTCTTTGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGAC
TAGAAGCAGCTAGTGTGTGCCACTCTCACAATAGCAGAAAGAGTGGTGAGACACTAGCT
CTTCAACCGGAACATCCAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTC
GGATCACGGAGAAGAGTGAGACAGATCAACCATTACCCAGGAGTGGCACAGACCCAGGG
GAATCCCCCTACAAGAAAATGGTGAGTGAGTGANANGTCCCGTGGGATGCATATTTCTGC
CNCGAACCTTTNAATCCTG

Sequence 2051

CGCCCGGGCAGGTACCGTGATGTGACTCTGGAGAACCTGGCACTTATGTCTCCCTGGGT
AAGTTGCTCACACTCACCTGTGACTTGAGCTAGTCTCTGTTTTCCCTGTCTTTCCCA
TTGGCAAGACTTTCTATGTCAGGAGCATGGACACAGCTTCTGCTTCAGTTCTATGGGT
GGTTCTTGGTTGTAGGACTGAGGTGTACCTCGGCCGCTCTAGAACTA

Sequence 2052

CGAGGTACCCACAGCTGGGAGAGAGCTAGTGAGCTCCAGGGAGGGTCAGCTGGGGGAGTT
TCACCATTGGCTGTGTGTCAGCCAATGGCAAGGTGTGTGAACAGGGAACCTCTGTGTTGAGC
AGAGAGAGGAAGAAGATGCGTCCGAGATGGAGTTGGGGAAGGCAGCACTTGCGTGTGTTGT
GTGTCCAGAGTCGAGCGGCCGCCGGGCAGGTACGCGGGTAAACACATCCATAAAAAGAG
GAACTAGCTGAAGGAAGAGAAAAAACCATGAGTTCAGACGATGAAGACTGTTCCGGCGAA
AGGAAGAAAATCGTCACATTGTAGTCAATAAAGCCGAACCTGCTAACTCCACTGAAGTGT
TAGAAAGCTTTAAATTTGGCCATGGGAGAGCTGGGAAGTTGCTCTATTCCCTANAATTC
TTNACAAAGAATTTCAAGGATTTTCTTGGCCTGGAAAGACCGGATACTTTGCTTTTGG
T

Sequence 2053

AATTGGAGCTCCCCGCGGNGGCCGCGCCGCCGGGCAGGTACTGACTCCGAAACATTAATACC
ACCAGAACTAGCAAAATAGAATTTCACTGCTTTGACACAGGAGTTGGCTGGCTGACTTT
TTCTTAAAGGGCCAGATAGTAAATATTTAGGTAAAATTTAAGCTATCATGTAGGTATTT
GCATAACCATTTAAAAATTTAACCATCTGAAAATGTAAGAATCATCTTAATTGCTTTAGTT
TGTCAAACCCTGCTTTCATATGCCCTTTAAAAAATCTCAGCTATGGTTCATTATTACTA
GCTCAGCTTTTAATTCTTTAAATTTGGTTGAATTATTCTCTATGNNAGNTATTTTATTGA
CCAGTTTGGGAATATTTTGTTCATTTATCAGGGAGTATGCGGNTAATGAAGTTGTGGCAA
GGGATAAAAGAATACTTCAACCGTAATGGTGGGGTACTCAAGGGCCAGCACGCTCCTGCT
CATGCGGGATAAGCCACTCAGAGCAGACCCAGCTGGAANGGATCAGGGATCTGGANCAA
GCCAAGTTTAC

Sequence 2054

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCTTTTTAGTACTAGCACA
CTTCTCTTCAATTCTAATTTGAAGCTCCTAGTTGCAGTGGGCTTGGGAGCCAGATAACA
AAAAAGTTGTATTAATAATGTATGAAATATAAGGATGAATAAGGTTGAGGGAACTCTAAA
GCTATTTTTTTTGTANAAAAATCTGTTTACATTATGGATACNCTGACTTGCCANAAATC
TATGATTCTAAACAGATATTAATATGTGTGTGCATTTTTTAAAGTAATAAGCAATTTTT
TCTGTTCAACAATTGGATAATTAATGAAAAGATTACAAAATGA

Sequence 2055

CGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTATTTTTTTTTTTTTTTTTTTG
GCTGGTTTTAANTTTATTTTGTGGAACCTTTGATAANAAATCTCAAATTANACTTTTAA
AAGCCTTTCAAGGGTCANAAGTCAAAGGAGGGCGAACATCAAATTTTGGCTGCAGTATCT
AAAAATCTGCATGAATTTCTNTNTTCTTGAGGTCTCCAATATATNTGGAGGTTCTTGCC
ATTTCTTGANGGGGATTCCC

Sequence 2056

Table 2

GTGGCGGCNCGCCCGGGCAGGTAATAACAGNGATTTGATCTAGAAAAGGTGATGCT
AAAAATGCATGTAGATAAAACCTAATTTTTTTCAGACACCAAAATGAAAAATTATTAGTA
TGCCATGACACATGAACACTTTTATATTCCACAACCACTGTGCTCTCCTTTTGGTGTTC
TTTGCAATGGATGGAATGTTATGTCCCTTCCAAATTTGTATGTTGAAATGCTAACTCTC
AAGATGATGGTATTAGGAGGAGAGGCTGTTGAGAGGTGATTAGGCCATGAGGGTGGAACC
CTCAAGAAAAGGATTAGTGCCCTCAGCAAAGAGGCCTAGGAGAGCTAGCTTGCTCTTCCA
GCATTTAGGGACACAGCAAGAGGGTGCCGTCTGTGAAGTAGAAAGCANGCCCTCACCAGA
TCCAAATTTGCCAATGCCTTGNCTTGGACTTTCCAGCCTTCAGAACCATGAGAAGTAA
TTTCTGTTGTTTATAAGCCACCTANTCTATAGTNGTTTGNTTTAAACANGCTGAATGGAC
TAAAGGCATTATTTAT

Sequence 2057

AGGTACCTTGCACATCTCTGCCTGCGCTGCTCACCCACTGTCAAGAAAGAAAGGTAGAGC
CTGGTGCTCTCCCTAAGCACTGTGGGCCTCACAGTTCGGGCGGGAGCCCCCAGCACCTGG
CTCTTCTGCATGAAAGCTTGGTTTCACTCTTCAGAGGTGGTGGCAACATCCCCAGAAAA
CCGGTAGGCGTGGGCACAGTGCTGGAGGCCGAGGGCTCCTCGCCATAGCAGAAGCA

Sequence 2058

CCGGGCAGGTACGCGGGGGCAGTGGGAAGCTCGCAGCAGCTGGGGAGGAGCCAAAGCCTC
GGCGCTCACCTAAGCCGCAGGGAGATACCCCAACTGGGAGATGAGGAAACAGCAACCCA
GAGAGGAGAACTAACCACACAGGATCATTTCTGTAAGGAGCAGGGCTGAAGAACCAGAC
CTGGACTTTCTTAGGACAACTTACTGCAGCTTGAAGGAGCCAACCATGGATTTGAGGCG
TGTGAAGGAATATTTCTCCTGGCTCTACTATCAATACCAATCATTAGCTGCTGTGCTGT
TTTAGAGCCCTGGGAGCGATCTATGTTTAAACACCATCTTACTAACCATTATTGCTATGGT
GGTATACACTGCCTATGTCTTTATCCAATCCACATTGCGCTGGCTTTGGGAATTTTC

Sequence 2059

CGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAG
AGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGA
GAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGA
GTTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGT
TCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGG
GGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTT
ATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGCA
AGTTGTCTGGGCTCATGTCTAAGCTTGTTCAGCTATCCAGAATGCCACAAGAATTCAA
CTGGATCTGGAAGAGGAAAAGAAAAGTATGGTGTAACTGAACCCATT

Sequence 2060

CGCCCGGGCAGGTACCCTGGAATCATACCTGAAAGCAGTGTTCAACCTTAGCAAAATCTC
CAACCAGCGCATGAACAATTTTCTACATCACAACGACCTGGTTTTCAAATTCAGCTCTCA
AGGCCAAATCTTTTCTAAATTTAACCAAGAACTTCATCAGTTCACAGAGAAAGTAATCCA
GGACCGGAAGGAGTCTCTTAAGGATAAGCTAAACAAGATACTACTCAGAAAAGGCGCTG
GGATTTTCTGGACATACTTTGAGTGCCAAAAGCGAAAACACCAAAGATTCTCTGAAGC
AGATCTCCAGGCTGAAGTGAAAACGTTTCATGTTTGCAGGACATGACACCACATCCAGTGC
TATCTCCTGGATCCTTTACTGCTTGCCAAAGTACCTT

Sequence 2061

CCTCTGACAGAAAAGGATGAAGTCAAGGGCCTGGTAGAGGCACCACTAAGAAAGGCATCT
GAAAGGACCAAGAGAGTGACCAGCAAGCATTTTTTACAAGGCTGANGAGCTANAGCTTC
CATGAAAGGCTGGACCACCCAGTGGTGAAAAGCATCATCTGGGTTACCTTGTGCTGCCAT
AAACACACCACAGACTTGGTGACTTAAACCACAGATATTTATCTTCTCACAATCCTGGA
GGCTGGAAGTCTGCAATCACGGTGCCAGCNTGGTCAGGTTCTGGTGAGGGCCTCTTTCT
TCTACTGTGTGCTCTTTCTTGTGCATGGAGAGAGAGAGCATGAACAAGCCCTCTACTGT
CCCTCTTAGAAGGGCACTTAATCCATAATAAGGCATCCACCCTTCTGACCTCGGCTAAC

Table 2

CCTAGTTAAAGTACCTGCCCCGGGCGGNCCGTCTAGAACTAGNGGATCCCCCTNGCTGCNN
GGANTTGTNTCATAGCTTATCGATCCCCG

Sequence 2062

CCGCGGTGGCGGCCCGCCGGGCAGGTACAGGAAACCTCATACGACGGGTGCATGTTATC
CAGTGATCTTCCTTCCTTCAACAAATATGTATTGAACCCCTTCCATGTGCCAAGCC
CTGTGATATTAATGACGATTAATAATAGAGTGATCAATGCCATGATAGGCGGTGTGAAT
GCATTGCAGGGAGCTCTCCCTAGTTTAGAGGTCAGGGATGACTCCAGAGGATGGGACATT
TAACATTTAAGCTAAGATATTTATCAGATTATCTAGTTGAGAGTGGGGAGGAAGGTGGGA
GTTANAG

Sequence 2063

AGGTACAAGTTGCTTTATGCTGCGAGATAAGTCCTCTCTTAGGTTTGAGCTCCACCTT
TTCAGTGAACCTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTT
TGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTG
TGTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACAT
CCAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGA
GTGAGACAGATCAACCATTACCCAGGAGTGGCACAGACCCAGGGGAATCCCCCTACAAG
AAAATGAAGCCAAGGAACA

Sequence 2064

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTGGTTTAAGCTTCTCTGACCAGGA
AAATCATCTTTTAACTGAGAAGGTCGAGGGAAAGAAAGGCTGATATTAGGTCAAGAAAT
TGAAAGCAGGTTTCTAACTATTTTTTGAAAACCTAACTGAACCAGCAAGTAAGCAGGTTT
CTCGGTGTTCTAACATGAGTGATGCCTCTTTTCCAAAATAATCTATCCCAATGAGGG
AAATCTTAATAGGAGAGAATGCCACACCACCATGGTAAGCTTAAGAACTTTGGAAGACT
GAAGAAAAACACATACTGAAGTATTTGTAAAAGAAATAAAGGTGATTTCTACAGCTA
TTTTAAAA

Sequence 2065

CCGGGCAGGTACAGATCAAAAGCTTGCCTTAGTGAGGCAGCTGCAGGGGGATAAAGTTAG
CAGGAGGCCTCAAAGATCTTAAGTCAGGCCTGATGTTGAACCTTGCAGGGATTTCATCGC
TCTGGAATACGAATGTGGCAAAAAATCCCATTTGTGTCTAGTGGGGGCGAAAGAGAATAAC
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GATGGTGAATCTACTGTATTACCTTTAGTGAGTGTTTCAGACGTGGCCAACTATAAATA
TTAGTGTTTTTGGAATGGCCATGGAGAGCTAAAATGTGGCCATAAAGGTGCTCAGATTTA
CTGCCATAACTGGTAATCACATCTCTCCTGCAAAAGTGCTCAAGATATCCAGGAAGTGAGT
GGGTATNANCCCTGGCTATNCATCTGNCCCTCATGTAATTAATAAACCAAGACAGCTNTT
TAAAAAAAAGGAAAGAAAAAA

Sequence 2066

AGGTACAAGTTGCTTTATGCTGCGAGATAAGTCCTCTCTTGTTTGAGCTCCACCTTT
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GATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGT
GTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACATC
CAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAG
TGAGACAGATCAACCATTACCCAGGAGTGGCACAGACCCAGGGGAATCCC

Sequence 2067

CCGGGCAGGTACACAAAGGAAAAAAAAAAAAAAAAAGCAGAATCAGAGCTGAGTTCCCTTTA
AAAGCCAAACGCCTACATCTAGAAGGAGGCTCCCCTACCTGAGAGCCCTAGCCCTATTGG
GGTCCCACTGTGGAAACCTCAGGTCTCAAGGTTAGTTACAGGGCAGCCAGGTAGGGTA
AGGCTGGCTGTAGGTGACTGGAGGATGGGCAACGTAGTAGTTGCTGAAGTTGCCATCACT
GACGTAAGGGGCCGGCTGGTAGTAACAGGTGACGTTGGTGGCACTGGGGATGATGTTTTG

Table 2

TTCCGCCAGCACACGCAAGGCCAGGAGGGAGATGAGGTTTCAGAGTCTGCCTGCGTTCATG
C

Sequence 2068

CCGGGCAGGTACCACTAAAGCAAAAAAGAAAACCTCTTAACAGCAGGACCTCTGATCTG
GAGGCATATTGACCATAAATTTACGCCACCCCATGAGAGCTCAAAGGCTGTGCTGTTCTC
GTCCTCTCTCAGTCCCCATTTCCAGGTGATCAAGCTTGGGCTTAGGGTAGTGGCAGTGTG
GCTTTAGCTGTGAGCCATCACCATGGAAGAGCAGGAGGTTTAGGGGCCCTTCATAACCTTT
CAAGTGTGGTTTCCGTTTGAAGTAGTTGAATATCTCCACCCCAACCATGCCCTGAGAG
AAAGCCGGGAAGAGGGGCCACCATCGGGGGCTCAGCACCTGCAAGCCCAATGCTGAC

Sequence 2069

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTGGCTGGTTTTAAGTTTATTTTACGGAA
CTTTTGATAAGAAATCTCAGATTAGACTTTTAAAAGCCTTTCAAGGGTCAGAAGTCAAAG
GAGGGCGAACATCAGACTTTGGCTGCAGTATCTAAAAATCTGCATGAATTTCTCTCTTCT
TGAGGTCCCCAATATATCTGGAGGTTCCCTGGCCATTTTCTGTAGGGGGATTCCCCTGGG
TCTGTGCCACTCCTGGGTGAATGGCTGATCTGTCTCACTCTTCTCCGTGATCCGAAGGTC
ACACTATGTCACTGATGAATCCTTATGTGTCCACCTGGATGTTCCGG

Sequence 2070

AGGTACCCATTAACCATCCCCACCTCCTCGCTCCAAATGGCCAACTCTAACTCCCACCTT
CCTCCCCACTCTCAACTAGATAATCTGATAAATATCTTAGCTTAAATGTTAAATGTCCCA
TCCTCTGGAGTCATCCCTGACCTCTAAACTAGGGAGAGCTCCCTGCAATGCATTACACCC
GCCATCATGGCATTGATCACTCTATTTTAATCGTCATTTTAATATCACAGGGCTCGGCA
CATGGAAGGGGTTCAATACATATTTGTTGAAGGAAGGAAGGATCACTGGATAACATG
CACCCGTCGTATGAGGTTTCCTGTACCTGCCCG

Sequence 2071

AGGTACTTTTACAGCAACATTTAGACTAGTGTTTGACCAACAACCTGGGCACCACGGTCAA
GCCAAGTTGGCATATAGAATTAGCCAGCAAACTTGGTATTCACAATCTGTCATTATAGTC
TTATCTATAAACCTAAGGTTTAGAGAAACGCTGGTCATTCTGAACAATTCCTGTGAATG
CAGAGATCAAGGAGCCTCCCCTTAACTGGGTAGGCAGTGTGAAATACCTGCAGTGTGCTT
GACCTTACTGTTACCCCACTGGCAGCTGTTCCCTACAGCTTGGCTTCAGATATATAATATT
ACATTGGCTAACTTCAAAGAGCATTGTTTTCCAAGGATAGAGATGGTGATGGTGTATATT
AC

Sequence 2072

AGGTACAGCTGGCAAGAATCCAGGGCAACGTGGTTCCCTCGCTCACGGTCCCGGAAATGT
CCAGGGAAGCAGGTCTGAGCCTGCTGCTGTTAGTGCATTAGTCCCTGCCTCAGTCTCT
CTGTAGAGCCTGGGGCTGGGTGCAGAGGAGGCGAGCGCACTCCTCCGCGGAAGCGTATTA
AACGTCACCCCTCCTCTCCCAAGCCCCTGCCAAAGATCACTGACAAGCTCTCATAGCAAA
TGAACAAGGAGGGAAAGCACCGCGCTCGCACGGCTTTGTCCGTGCTACAAAGCAGCCTGT
TAACTATTGGAACATAATGCGCCGCCCCC

Sequence 2073

AGGTACGCGGGGGCAGTGGGAAGCTCGCAGCAGCTGGGGAGGAGCCAAAGCCTCGGCGCT
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AGAATAACCCACACAGGATCATTTCTGTAAGGAGCAAGGCTGAAGAACCAGACCTGGAC
TTTCTTAGGACAACTTACTGCAGCTTGAAGGAGCCAACCATGGATTTGAGGCGTGTGAA
GGAATATTTCTCCTGGCTCTACTATCAATACCAAATCATTAGCTGCTGTGCTGTTTTAGA
GCCCTGGGAGCGATCTATGTTTAACACCATCTTACTAACCATTATTGCTATGGTGGTATA
CAC

Sequence 2074

CTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTNCAGCCTACCGAAAATACTTCAGGATAAT
CTTTNGATCCTTAACCTAATTACATCTGCAAAGACCCTTTTCCAAATAATGCCACCTCC

Table 2

ACAGATTCTAGGCACAAGGATCTGGATATATCTTGTGTAAAGCCACCATTTCAGCTCACTA
CACTAGAAAAGAGGAAAAACAACGATGTAACAAGAGGCGCAGAAGAAAGAACAGATGC
AGCTTGTGTGGCAGTGGCCATCAAGGCAGGCTGGGGTAAAATTGTGTCAACAGAAGCCCC
AGATGGAACCTCAAGT

Sequence 2075

TAGGGCTTTTTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTNCATGTTTAGGGAGA
TGAANTGGGCTCCCTGCTNACAGCCCTCAGGGAGACTGTCTAGAGCCACTCCTTCATTCC
TTGTCTGCCACATTGCTAAGTGGGCCCTCTGGCTATGAGTATTACCTTCTTTTTTTTAC
TAGCTTTAGAGTTCTAAGATATATTGCAAAGTAATAATAAACAGTATAACTCTTTGGA
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GAACTTACATCTTTCTTTAACCTTTAAATATAATTATGTTTGTCAATTGTTAGACTTTTT
TAAGGCTTGGTTTCCAGTAATTATGGTATGTAGTCTCCAGTCCAAACAACAGGCTCTGTA
CCT

Sequence 2076

CCGCGGTGGCGGCCCGAGGTACACTTCTGGAAATTTCTGAGTATTGGCAAAATGTAATA
TTGTTTAGAAAAGTATCAACTTTAAGAACACTAGATCGCTGCTATTCTCCCTGTATGCTC
TGATCATGTTACATTTAATATAAGTATGCTCTGTGCCCAATAAACAGTTTTTGT
TTTTTCTAATCAAGTTTACAGTCACACAAGTGGACTTACATCTTCTTCTTGGCATGGAT
GAACTATTTCCACAAGCCTCTGGATAATTTCTCCTCATTAAACCAATTCAGCACATCTT
GCCTGGGCTGTGGAGGTTGCATACACGTCANGAGCCTGAGCAACAAATCCATGATAGCA

Sequence 2077

CCGCGGTGGCGGCCCGGCCGAGGTACAGTCAGAAGGGCTGAATCCACGATGAATCAAC
ATTAAGAAAAGAAAGGTCACTGTGTATGAGATACTTTTCATGAATACACACACCTAAGTC
ACCCAGGAAAATCATCTCAGGAGCCTGTAGGATGTATACTTACAGCTTTCAGCTGCAAC
TTGCATGTCTGTGTGCCATGGGGTATTTAGACAGATCCATGTTACATGCAACAGTTGTC
GTGATTCTGAGGGCATAACAGGACCGTGCCATTGGAGAAGAGGCGGATGAGCCTGTTTCCC
ACAGTGACTTCATGGAGGAAGGACTTCTTGGACTCCACAATGTAAGTATCTGGCACCCAG
AGGAACTCCACGAGGCGGGCATCCAGAGTGAAGCTCTTGTTCCTTCAAACACCAGCCGC
TGGTCCATCCAGCGCTGTCTGGAGGTATATGGTGGCTGTGTAGTCCATGTTACTCTTGAA
ATGCTAGAAATCTTGCAATGTCCAAAGTCAGCGCTATCTGTACCTTG

Sequence 2078

CCGCGGTGGCGGCCCGGCCGAGGTACACGGGAGTGTATGGCCTAGAACTCCCATCAT
ACCTGTGCACCAATTGAGGAGAGACACATGGGTGGGAAATTGCAATAAAAAGACGGCCCA
CAGCAGGCTGCATTCCCATGGCTGGCCAGAGGAGGAACGCTTTGTGTTCTCATCGGAGCT
GCATGGGAAGTCTGCATACAGCAAAGTGACCTGCATGCCCTACCTTATGGAAAGGATGGT
GGGCTCTGGCCTCCTGTGGCTGGCCTTGGTCTCCTGCATTCTGACCCANGCATCTGCAGT
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TGAGGATAGAAGTGCAGAGAAGGTGGCTCANGTAAGGAAGAAGAATTGGCAGTTCTAAAG
CAAAAACCTCAAACTAGAAGTCAAGGGAAACATAATGAGAAACAATGGAAATCAAAGTCA
CAATCTCTTCAAAGAGCCTAATCAGAAATTNCTCTGAAAGGGCAGTGGGAGCCAGTTAAC
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Sequence 2079

CTCCACCGCGGTGGCGGCCCGGCCGAGGTACCAAATGAAGTGTGAAGACAAGGCCAT
CCACCACCTTTATAGAGGGTGTAAAAATAAACAGAAATCAAGGGAGAAAGAAAAGATGAA
AGACAACTGCAAAAAATTGCCAAATGCGACTTTCTAAAAATGGAGCAGATTCTGAGGC
TTTGCATGTCTTGGCATTCTTTCAGGAGCTGAATGAAAAATGCAACAAGCAGATGAAGA
CTCTGAGAGGGGTTTGGAGTCTGGAAGCCTCATCCCTTCAGCATCAAGCTGGAATGGGGA
ATGAAGAATAGAGATGTGGTGGCCACTAGGCTACTGCTGAAAGGGAGCTGAAATTCCTCC
ACCAAGTTGGTATTCAAAATATGTAATGACTGGTATGGCAAAAGATTGGACTAAGACACT

Table 2

GGCCATACCACT

Sequence 2080

CCGCGGTGGCGGCCGCCGCGGCGAGGTACTATTCCCTCCCTTATTCAAGACTTTGCTTAA
TGTCACCTGTGTAATGGAATCTTTCCAATTTGTCAATTTGTCCATTAGACAAATAGAT
CAATAGTTCAGTCTATTCCAGTGCTGATAACAATACCTGGCATAGAGTAGATGGTC
AATGAATATGTGTTGAATGAATAAATGAGCAACGTGGGTGAGCCACCCCATGAAGTTAGC
TGGAGGTTTTACAACATCAACAGAGTGAGGTAAGAGCACGGGAGACAAGCCACCATGGTC
ACTGTAAACCAGGCTGCCAACTGATTTCAATTACTGCTTACAAGGAGGAAAGAACAAGG
ATCCCATGTGGTGCCTAGGAAAGTCAACAAAGTTAATAAAAGCAGAGTTTTCTAGAGCCT
GAGGATCAAGTATCCAGTAGGAAAGCTGCCCTTTACT

Sequence 2081

GGGCTTTTTGGAACCTCCCCGCGGTGGCGGCCCGAGGTACTGCTTTAATGAGCAGCAACC
TTCTTTCACCTGGCANTTNNAGGCGTTCAAGTGCAGGGCTGGCCTGCCCTGCNTGCTTCA
GAGACCACTGCGTTTCTTAGAAGGGAAACAACGGGGCCGGGCGCGGTGGCTCATGCCTGT
AATCCCAGCACTTTCAGAGGCCACGGTATCCCAGCACTTTCAGAGGCCAAGGTAGGTGGA
TCACGAGGTTTGGAGTTCGAGATCTGCCTGGCCCATATAAGTGAAACCCTGTCTCTACTA
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NGAANAAGGAGNAANCAACCAGTNCAANAGGATGATGCCATTTCCNNGGGAANAANGT
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AAAAAAGAAAAGCCNGCCCGGNGCANTNACCTCACGCNTNTAATCCCANGCANTTTGT
NGGAAGGCNCAAAACAAGGAGAATCTCNANTTTNAANACCAGCCTTGGGCAACANANCAA
NAACCCCNACCTTTTACCAAAAAAATATNTTTTGGG

Sequence 2082

CCGCGGTGGCGGCCGCCGCGGCGAGGTACAGTCACACATCACTTAGCAATGGGCATATATTA
TGAGGAATGGGTCATTAGGCAATTTTGTATTGTGTGAACATCATGGAGTATACTTACAC
AAACCTAGATGATAAAGCCTACTGCACATCTAGGTTACAAACTTGACCTCGGCCCGCTC
TAGAACTA

Sequence 2083

CGACTACTATAGGGTNAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCAGGGAACAA
ATGCTACTGGGACTCCTNACCTACCTAAGAAGCAGCTCTACCCAGACTCCACATGGCTCT
CTGTTTTGGTCTGGAGACCCAGCTGGGGTATCTCCTGAGCCAGGGATTCAAAGTTCCG
TGGCAGAAATATGCATCCACGGGACTCTCACTCACTCACCATTTTCTTGAGGGGGATT
CCCTGGGTCTGTGCCACTCCTGGGTGAATGGTTGATCTGTCTCACTCTTCTCCGTGATC
CGAAGGTCACACTATGTCACTGATGAATCCTTATGTGTCCACCTGGGATGTTTCCGGTTG
AAGAAGCTAGTGTCTCACCCTCCTTCTGCNTATTTGTGGAAGAAGTGGCACACAACCTA
TCCTGGCTTTCTAAGT

Sequence 2084

CCGGGCGAGGTACTAGAATTTAGTTGGAAGAATAAGACATTTACTTCTAATCTGATTTAA
AAAAACCAGATGGGTAGTATTTGAATACAGCCAGTGTTTTAAATGTAAAAGAAAATGTTT
AATCTGGTATTTCTAGAGTTGAGTCATGCATTACAGGCAATGGGATAAAAGTGAATAATT
ATAGTAGTCTGTGGGGACAGCTGTAAGAGAGATGGGCACCACAGCTTGCCACAGTGGGC
AGGACTGTTCTAGTTTTGAGTGGAACCAAGAGATTTGGGAAGGATTGCAAAAGAAGGA
TAAATTATCGAGGGCCTCCAGGGAGGGTGCCTGGCCTCATCACTTCTCAAAGCTGGGA
GGGCAGCCATTNATT

Sequence 2085

NCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGGTGC
AGGGCAGTCAGACTGGAACCATGGAGCTCAGCGTCTCCTCTTCTTGCCTCCTCACAG
GCCTCTTGCTACTCCTGGTTCAGCGTCACCCTAACTCCCATGGCACCCCTCCACCAGGGC
CCCGCCCTCTGCCCCCTTTGGGGAACCTTCTGCAGATGGACAGAAGAGGCCTACTCAAAT

Table 2

CCTTTCTGAGGGAGTGGATCTGATTGCCGTCATCAATAATACCTTTGACCAAGGGACTC
CAATCAATTCAGCATGCTTTGCCTAATGCCTTTTGTGTAATACTGTTGCGGGACAATC
AAAGACTGGGAGAGACCAAGGGAAAAAAAAAAAAAAAAAGTCCCTGCCCGGGGCGGCCCCG
CTCTAAGAACTAGTGGGA

Sequence 2086

ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAACGCAGAGCAGGTCTCT
GAGTTGGGAGCCAGTGGCCCTGAGCAATAGCACGAGGCCTGTTGTCTACCAAGTGCAGTT
TAAATACACCGACAGTAAATGGTTCACGGCCGAGGTACTTCAGTTCGAAATGCAAGAAAT
CACCCACCTTTCTGGGTTTGGTCTTCGCTGGGAGCTTGCAGATGGGAGCTGTTCTTATTT
GGCCATCTTCAGAATGTTTTAAATAAATAAAACAAATGCCATTTCAAGCACTTGCCTA
CCTTTGTTGCGGGCCCTGCCAGCTGGAACCTAGACCACTGCTTACCCCGACTTGCCCCAT
CATTNATCCCCAGTATTTTCAGGCATCTTATTGTCANAANTGGGTCTAAGACTCTTTTA
T

Sequence 2087

TACTGATCAAAAACANTACAGTTATTTCTNNTGTATGAGGTTTTTTATTAGACCAAATTT
TAATCCCAGTCTGCCACTTTTTCATAAAGTAGAAAACAGCTCAGATGAGTAGAAAGTTAG
ACTCAAAGTGTAGGGGTTTGTTTAAACCACATAAAAAGTAATAACGATAGAAGGTTTTAT
GCCCCGTAGGTATATAAATCTGGTGAGTGTGATTTTTAATTTCACTGAATGTTTCACTCCC
CACAATAAATACGTTTTTATACCTTTCAAGATATCTTCAAAGTTTCTGATAGTTAAAAAA
ATCATTTTACAAAGGCTGCCTTCTTAAATGGAATGTGTTTGCAAAACAGTTTACCTTC
TNGAGCCCTTCCAAAAAGGGTGGCCTCAAAGGGCTTCAG

Sequence 2088

GGGAAAGAATAGAAGGAGGAGTTGAATCTGTAATTGACTGAGCAATCAGTTGAGATAACT
CACTGCCTCCACATAACCTTGGGCTGTCTATGAGTCAGTGGAGAGCAACCCCTCTCATG
TAGGTTCAAGTCTGAGGTTAGCTCACTGNCAGTGGGAAAGTTGATCAGGGTAGTCCCATC
TCATGCACAGCCCCATTTCCCATGAGCCGCTAGAGTGGCTCGTATCAGAAAGATGCCAT
ACCAAATGCTGGCAAGGACCTGGAGCAACTAGAATGCATGTGCATTTACCTTGTCTGAC
AGCCACTTTAGAGAACCTCTTTTGGGCTGTTTCTATTAAAGCTAAACATTAATCTTTCC
CCAAAATAACATNGGG

Sequence 2089

CCGGNCAGGTACGTGGGCTTTACGTAAAGAAATTGTGCCATTTTTTCAAGCCAGATATAG
CTTCTGTATCAACAAATGGAACACAAATCTTAGTCTAGGACTTAGGGTTGGGGAAAAAG
GGAAAAACAACATAACACTTAAATGAAATCTTTGTATCTTANGGTTTGTGACCAGAG
TATTATATATATCTAATGCTACTAAAAATTATGATGTTATCGAATATTCAAGTTAATTC
AATAAGTGGTGGTTATCTGTAGTAATCATAGAGAAAGGAACTATTACTATGAGGGACCTG
CGGGTACCTCCGGCCCCGCTTCTAGAACTAGTGGGATCCCCCGGGCCTGCAGGGAATTTG
GNATATCAAGCTTATTTCGNATACCCGTCGGAC

Sequence 2090

CCGGCGAATTNTNCTCCNCGCGGCGGCGGCCCGGGCAGGTNNACATAAATAATGAT
TGAGTTTGTGTGTTNNTGTATACGTGTGAGTGTGTGCGTGTGTGTGTGAATAAATAGA
AGACTTTTTTAAAGTTATAAACTCTTAAGAGGCCAACATAATTTGCTTATTGAGTTGTTA
ATGAATTAATTGATTTATTAAGACCCCATCTTGTTCCAAGAAATAATTTAAGGCAGCTCA
GTCTACCAATCTTCATAAAATATAACTTATAATTTGTGAGGAATTCCTTATATTTTAGC
TCTTTTCGATCCTTAAAAATATTTCCAAATAAAGGAGATCTATTACAACATGAGGTTCCCT
GCNAAGAGTGAACCTAAAGTTCTTACTCATTTCTCATGTTCCACATAGAATCACCGAAATG
T

Sequence 2091

AGGTACCACCTGCTGTATCCTTCCCCACCTCATCACCCCCAAAGCCATTTAGTGCCAAAT
GCTACAGTAAAAACCAATGCATTTACATAAAATAATGCCTAACTGCATATTTACATTTT

Table 2

TTAGGAAAAAAAAATCCCATTAAGGCTCTTCTAGGAAAAGGTTATGGGCNAGGGAAAAAGG
TAAAGGGGACCCCAAGGGCTTANTGGAGGCCAAAGNCNCATTATTGGTGGGGAAAAANCT
TTNAAAAGGTTAAGNATTGGAAGGCCAACNTTGAAGGTTTNTCCTTCCCAATNAAGGNN
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CTTGGTTGGANGGGGCNANANGNAATTGGAAGGNAACCCCTTTTCCCTTTTTTTAATT
AACCCCNCTTNGGTTTTTGGGAAGNAAATTTTNTTCCAAGGNGGTTGGGGGAACCAAAAN
CCNGNTTGAACCTTTGGCNAATTTGGAAGGCTTGGNTTTTNGGAAAAAAGGGGGCCANG
GTCTTTTGGCCCCCGTGGCCTTTTTAAGNNTTTTAATTNCAACCNC

Sequence 2092

TTAGGGCGAATTGGAGCTCTCCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAG
ACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAGGCTTCTGGCTCTTGA
CAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTC
TCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTC
TGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACA
AGAGACAAGGAGAAGGCCCTTAGGATCTACTGGGGGAGTCCCGAGGAACAGTCTCTTCTGT
CCCGCTGGAACCCATGGTCCACTGAAGTTCCTTATGCTACATTCAGTCTGAGCATCCTATGA
AATACACCAAGTGAAGAAATTCCTTGAA

Sequence 2093

AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCTCTCTTGGTTTNAAGCTCCACCTTT
TCAGTGAACCTTTACATTTTGGGGGATCTACTCTTGTAAAGGACATCCTTTCTGGTCTTT
GATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTG
GTGCCACTCTCACAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACATC
CAGGTGGACACATAAGGATTCATCAAGTGACATAGTGTGACCTTCGGATCACGGAGAAGA
GTGAGACAGATCAACCATTACCCAGGAGTGGCACAGACCCAGGGGAATCCCCCTACAAG
AAAATGGTGAAGTGAGTGAGAGTCCCGTGGGATGTATATTTCTGCCACGAACC

Sequence 2094

ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGCAGTGGG
AAGCTCGCAGCAGCTGGGGAGGAGCCAAAGCCTCGGCGCTCACCTAAGCCGAGGGAGAT
ACACCCAACTGGGAGATGAGGAAACGGCAACCCAGAGAGGAGAACTAGCCACACAGGAT
CATTTCCGAAGGAGCAAGGCTGAAGAACCAGACCTGGACTTTCTTAGGACAACTTACT
GCAGCTTGAAGGAGCCAACCATGGATTTGAGGCGTGTGAAGGAATATTTCTCCTGGCTCT
ACTATCAATACCAATCATTAGCTGCTGTGCTGTTTTAGAGCCCTGGGAGCGATCTATGT
TTAACACCATCTTACTAACCATTATTGCTATGGTGGTATACACTGCCTATGTCTTTATTC
CAATCCACATTGCGCTGGCTTGGGAATTTTTTC

Sequence 2095

CCGCGGTGGCGGCCGAGGTACTGTCCAACCTGGATGCTGCCCTGGTGGCTGAAGGCACACT
TCATGATGCTGTCCAGGGTCATCAGGGAGACATGTTGAAAGAGCTCCAGACGTGAGTTTT
GGGCAATGTGTTCTCCCATTTGTTGAGCATCATCCGAACACTCTCAGACATCATGGGTG
ATGAATATTTTGAATGCTGATGTTGAAAGCCAGGTTTACAATCTGGTGGTGCTTTTT
CCATTTAGAACCATCCAGGGTCACAAGTCTCGACCAACCCAGGATTCAGGATTTTGTG
GCTAACAGCACTTTTGGGATCCTGTCTTTTACAGGAGAATCTTGGCATAAGTCTGGGTCAT
GGACACTGAAGAACATCGTAAAGGGTCCAACCCACAAGGGAACAGCACATGGGTATTTTT
CCATCA

Sequence 2096

CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCGGAGT
TTGCCGAGGCCCAGTAAGTCCAACAGCCGGAACGGGGCTGGGAACAGGTCTAGCACCAGC
AGCATAGATTCCAACATTAGCAGCAAGTCCGCAGGCCTGCCAGTGCCCAAACTGAGGGAG
CCTTCCAAAAACAAGCCCTAAGGCAGCTCTACCAGGGTCTGGGTCAACCAAAACAGACA
AGGGAGAAAGGCATCTCATCATGACAACGAGAGTTGTGGCTTTCCTGTAACCTCGGGTGAA

Table 2

AGTGAATCCGGCAGCCCAGCCTGTGTCCAGTCCGGCTCAGACCAGTCTCCAGCCTGGAGC
CAAGTACCTCGGCCGAGGTACTGAAAAGGGAGGCATTTGGTCACCATTACCCATCAAGGG
AACTCTTTACAAGGATAGGTTCCAAGTCCTTCGTGCTGCTCTT

Sequence 2097

ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTCTT
TTTTTTTTCTTTGCGTATTTCCCGTCTACCCTCCCCAAACAAAGCCATTTAGAGACAGA
TGGACCAGACCTTCCGCAATCTCAGTGAGCCCATGAGCATCCCAGACTGAACAGAAATTC
AGCTGTAGACCTAGCAGATGTTTATTATCCTCCCTCCTTCTTTTGTGTTTTTCACACAC
CTCTGTGCTGGAAGAGCCACCTGGTATATTAACCTCTACACAGATACTTGAATTTCT
GTCCTTTTAACCTAGCAAAGAAAGGAGTTGTAAACATAAAGACTTCTTTTTTAACTTT
TAAATAAATGAAATCGGCTGGGCATGGTGACTCATGCCTGTAATCCTAGCACTTTGGGA
GGCTGAGGCGGGGGGATCGCTTGAGGT

Sequence 2098

CCGGGCAGGTACCAACAGCTAGCGGTAGCCCTGGACTCCAGCTATGTAACAAACAAACAA
CTCAATATCACGATAGAGAAATTGAAACAACAGAACCAAGAAATTACGGATCAGTTGGAA
GAAGAAAAGAAAGAATGCCACCAAAAGCAGGGAGCCCTAAGGGAGCAGTTACAGGTCCAC
ATTGAGACCATAGGGATCCTCGTATCAGAGAAAGCTGAGTTACAGACAGCCCTGGCTCAC
ACTCAGCATGCTGCCAGGCAGAAAGAAGGAGAGTCTGAAGATCTGGCCAGCCGCTGCAG
TATCCCGGCGGCGTGTGGGAGAGTTGGAGCGGGCT

Sequence 2099

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCTTTTAGTACTANCACA
CTTCTCTTCAATTCTAATTTGAAGCTCCTAGTTGCAGTGGGCTTGGGAGCCAGATAACA
AAAAAGTTGTATTAAATGTATGAAATATAAGGATGAATAAGGTTGAGGGAACTCTAAA
GCTATTTTTTTTGTANAAAAATCTGTTTACATTATGGATACNCTGACTTGCCANAAATC
TATGATTCTAAACAGATATTAATATGTGTGTGCATTTTTTAAAGTAATAAGCAATTTTT
TCTGTTCAACAATTGGATAATTAATGAAAAGATTACAAAATGAATATTTCANATAAAATA
AT

Sequence 2100

CCGGGCAGGTACCGGAGTTTGCCGAGGCCAGTAAGTCCAACAGCCGGAACGGGGCTGGG
AACAGGTCTAGCACCAGCAGCATAGATTCCAACATTAGCAGCAAGTCCGAGGCCTGCCA
GTGCCCAAACCTGAGGGAGCCTTCCAAAACAGCCCTAGGCAGCTCTCTACCAGGTCTGGTC
AACCAACAGACAAGGAGAAAGGCATCTCATCAGACAACGAGAGTGTGGCTTCTGTAAAC
TCGGTGAAAGTGAATCCGGCAGCCAGCCTGTGTCCAGTCCGGCTCANACCAGTCTCCAG
CCTGGAGCCAAGTACCTCGGCCGAGGTACTGAAAAGGGAGGCATTTGGTCACCATTACCC
A

Sequence 2101

AGGTACTTAAACATGATGAGAAAGGCAATGAGAAAGACAACTTCATGCTTTTCCCCATA
AAAAAAAAAAGAAAGAAAAACAAACAGCAACAACAAATTGTCACAGATATCAAAGACT
ATTTCTGGCAACATAATCCTGAACTTATTTAAATGCTGGTAGCTTATTCAACAGTTCA
AGAATAAGAAAAGAGGGTTGCACAAGATGGCCGAATAGGAACAGCTCCGATCTACAGCTC
CCAGCATGAGTGACGCAGAAAGACGGGTATTTATGCATTTCCAAGTACAGGTTCA
CCTCACTGGGGAGTGCCAGACAGTAGGTGCAAGACAGTGGGTGCAGCCTACCGTGCGCA
GCCGAAGCAGGGTGA

Sequence 2102

CCGGGCAGGTACTCGGGGGCAGTGGGAAGCTCGCAACAGCTGGGGAGGAGCCAAANCCTC
GNCTCTCACCTAAGCCNCAAGGAGATACCCCAACTGGNANATGAGGAAACAGCNACCCA
GAGAGGAGAACTAACCCACACAGGATCATTTNNGAANGAGCAAGGCTGNAGAACCANAC
CTGGACTTTCTTAGGACAACTTACTGCATCTTGAAGGAGCCAACTCATGGATTNGAGGC
NTGTGAAGGAATATTNCTCCTGGCTCTACTATNAATACCAAATCATTANCTGCTGTGCTG

Table 2

TTTTAGAGCCCTGGGAGCGATCTATGTTTAAACACCATCTTACTAACCATTAT

Sequence 2103

AGGACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCACCTTTT
CAGTGAACCTTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTTG
ATTACTTGAGAAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGTG
TGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACATCC
AGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAGT
GGGACAGATCAGCCATTCACCCAGGAGTGGCACAGACCCAGGGGAATCCCCCTACAAGAA
A

Sequence 2104

CCCAGGTGCTACAGCATCAGCTTCCCTTGCCGCTTCTGCGGCTGAAGGGATGGTCCGAC
CAAAGCCTCCTGCCCTGGGGCAGCCGATGCCACTGCATGCTTTTCTGCGCTTGGGCTT
CACGGTGCCACGGATATTGGCCGGCTTGCTGCGCTTGAGCGTAGGGTAATGTACCTCGG
CCGCCCCGGGCAGGTACGCGGGGAGCCAAGATGGTTGCCCCCGCAGTGAAGGTTGCCCGAG
GATGGTCGGGCCTGGCGTTGGGCGTGCGGCGGGCTGTCTTGACAGCTTCCAGGGCTAACTC
AGGTGAGATGGAGCCGCTATAGTCCTGAATTCAAGGATCCCTTGATTGACAAGGAATATT
A

Sequence 2105

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTGAATAAGCTTACTTTAATANATCCA
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TTAATATACCTCTGANAAGTGAATCAGCTACTCCTCGTTGGATAGTAAGGTCANAACAAC
TGTTCTTGAAACCTTAGTACACACTAGCTGATAANACACTGTTGCCATAATGTCTATTT
ATTGGATCAGCAATTTATAAGTCCCACATTCTCATGCCACATAGCTCTACACAGCTGCAA
AAATATACCATAGCTTGCAGGTGATCATTGGTTT

Sequence 2106

CCGGGCAGGTACCATTATGAAGAGTATGCCAATTTTATTAAGGTCCCACAAACTCAGTGT
TACCTGACTTAAGGTATTTTCTCTCTAAAGAAATAAGGGCATAAATATATTGTTCTTAAA
TATCTTAAATTAATGTTCTAATGTGGGAAAAGCCATCTTTCTGTGACACTCTCTGCCT
CTCTTTCTTCTCTCCCTTCTCTCTCACACACCTATATGCACACACACTCCACACTCAC
AAAAGCATATAATTCCAACAAAACAAGGCAAAATATTGACCAAACCACTGAATAACATTC
ACTGGACCAACCTTATAAAGCAGTGGCAATTTTCTAATTTTCAGGAGTGGCATCTGATTT
GTTACGTTTTTTATTTTCTAATCCTTTTTTAAATCATCTGCCATTCCATAACTCACATCG
ATGACTTCAGCCTTGAGAGTTCCTTTGGCAGAATAGGCTGCATATGAATAGAGCAGGTCT
TGGCTGCTATCTTTCTGGCTTCTTCACTGCAAGGCTGGCCATTAGGAT

Sequence 2107

ACTATAGGGGCGAATNGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCATTATGA
AGAGTATGCCAATTTTATTAAGGTCCCACAAACTCAGTGTTACCTGACTTAAGGTATTTT
CTCTCTAAAGAAATAAGGGCATAAATATATTGTTCTTAAATATCTTAAATTAATGTTT
TAATGTGGAAAAGCCATCTTTCTGTGACACTCTCTGCCTCTCTTTCTTCTCTCCCTTC
TCTCTCACACACCTATATGCACACACACTCCACACTCACAAAAGCATATAATTCCAACAA
AACAAGGCAAAATATTGACCAAACCACTGAATAACATTCAGTGGACCAACCTTATAAAGC
AAGTGGCAATTTTCTAATTTTCAGGAGTGCGATCTGATTTGTTACGTTTTTTATTTTCT
AATCCTTTTTTAAATCATCTGCCATTCCATAACTCACATCGATGACTTCAGCCTTGAGAGT
TCCTTTGGCAGAATAGGCTGCATATGAATAGAGCAGGTCTTGGCTGCTATCTTTCTGGC
TTCTTCACTGCAAGGCTGGCCATTAGGATGA

Sequence 2108

CGAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCACCT
TTTCAGTGAACCTTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCT
TTGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGT

Table 2

GTGTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACA
TCCAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAG
AGTGAGACAGATCAACCATTACCCAGGAGTGGCACAGACCCAGGGGAATCCCCCTACAA
GAAAATGAAGCCAAGGAACACCATCTGAAGTTCTGACGGCAACATCAGAAGCTAAGAGAA
AGGCATGGAAAAGATTCTCACCTAGAGCATCCAGAGGAGAGGTTGGTCCTGCANACACCT
TGTTTTCTGACCTCTGACCTCCACAACCTGTGAGGGAAAGAAATTTCTGTTGCTTAAAGAC
ACACAGCTTGTGGTACACCCACTTGAAC

Sequence 2109

CCCCGCGGTGGCGGCCCGAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCCCTCTTG
GTTTGAGCTCCACCTTTTCAGTGAACCTTTACATTTTGGGGGATCTGCTCTTGTAAGG
ACATCCTTTCTGGTCTTTGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTG
ACTAGAAGCAGCTAGTGTGTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAG
CTCTTCAACCGGAACATCCANGTGACACATAAGGATTCATCAGTGACATAGTGTGACCT
TCGGATCACGGAGAAGAGTGAGACAGATCAACCATTACCCAGGAGCGGCCAGACCCAGG
GGAATCCCCCTACAAGAAAATGAAGCCAAGGAACACCATCTGAAGTTCTGACGGCAACAT
CAGAAGCTAANAGAAAGGCATGAAAAGATTCTCACCTAGAGCATCCANAGGAGAGGTTG
GTCCTGCAGACACCTTGTTTTCTGACCTCTGACCTTCGCAACTGTGAGGGAAAGAAATTC
TGTTGCTTAAAGACACACAGCTTGTGGTACCTGCCCGGNCGG

Sequence 2110

CGCGTAATACGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTA
CCCAGATCACAGACAATCCAAATATCAGAACTAGGGGGCTGGGCAGAGAGGACAAATCAT
CTATTAGGGAGTGGGACAGAAAGTGGAACATTACAAAGGAGCAAGTAGGCTCAGAACAG
AGGGGAGAGTAATACTGGGGAACTCCCTACTGAGGACAGGTTTGCCACAGTGGATATGT
ATGTGATGCTTTTGTCTCATGGGCTGGAATGGAAGCTGATAAAGAAGTTCAGACGCTAC
GTGTTGCTTAGGTCTGCTTTGTTGAAGCATGTCTCTTTTCAGAGTTCCTAAACACAATATT
CCCGTGGCATCTAATCCCAGTGAGTGCTCCAAATCCAGGCTGTGTATCAGAT

Sequence 2111

AGGTACCACACACCCTCCACTACTCATCACCAGACAGGGAACCCTGGCTTGGGCCACAG
CACAGACCCTCCATCCTGGGCCGATTACACTAAGTGATTGCTAACTCACATGTCTCTGGG
ATGGAGCACCCAGGAGACAAGCAAAAGTGTTGGAGCAGCAAGTCAGGTGATGTGGAGCCCA
GAGGGCTGGGACAGCTATCTCTTAGGGTCTACTTGCCCTTGTGAGACACTTTATCCAG
CACTTTAGGAATGCTGAGGTCATACCAGCCACATCTCATGTGCAAGATTGCCAGCAGAG
ATCAGGTCCAAGAGTTCTGTGTTTTAAAAAAGGGGACTTGCTTAATAAAAAAGAAGT

Sequence 2112

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTATGGAGTCTTTAANATTATCTCT
ATGTTGGCTGGCTGCGGTGGCTCATGCCTGTAATCCCAGCACTTGGGAGGCCAAAGCGG
GAGGCCAACACTGGGGCTACCCAAGAGTTGACCAAAGGTGATATTAATACATATGCTTAC
TTATTACCTTGTTGACACAGTTCTAGTGTAAGTCTTGAAAATCAAGTAAATTTGGAAACA
TAGTTGCACAACTCTCTCATGAGTCACACAGTTAATCCAGAATATTATTTCTAAGTTAT
CATAAAGCCAACAAGCA

Sequence 2113

AGGTACAGAAAAACCTTTAGGCTGAACCTTAAATATGTAAGCAGAGAGCTTTAGGCTGAA
CTTGATTAAACATGGTTTTATTTGTTTTTAAACAATAGAGGCCATGATGACTGTTTAGG
CTGAGTAATGGAGGCCTCTGCTCCAAGGGCAGGCTGCTTTTCAAACAGTTGCCATCTCAG
TAATTTTTATCCATTTGCATCTCACAACATCACAAGACAGGTTTACATAAAAGTCCAGGT
TACCCTGCAGGCTGCGTGGAACCTTTGATTTTAGGTTGATACTGGAGAGAAGGTCCGAG
AAGAAGCCATCCTTAACAGGAAATACATTAATAAAATTTCTTGAAACTGGT

Sequence 2114

AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCTCTCTTGTTTGAGCTCCACCTTT

Table 2

TCAGTGAACCTCTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTT
GATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGT
GTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACATC
CAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAA
GTGAGACAGATCAACCATTCACCCAGNAGTGGCACAGACCCAGGGGAATCCCC

Sequence 2115

GCTCCCTGTGCTTCATCTAATACTAACATGGAGAGACTNCAGAGATCATCTTATTCTCCT
CATTGCTAAGTTTTCTAAATACTTGCCATAGAAAAGAGAAAAGATAATTTAAGTGAGCAG
AAAAATAATAAGCAGTGTTGGCTCTGAAATCCATACTTGTTTGCTTTTATCTNTTGACC
TGCTCTTGCTATGATTCTTTAAGCCCTACTGAGGATATTNAGTTATTAATATTTCTAAC
CCCAGTGTTCAACTCTGACTTCTCTACTGACAACTCTACAGAAGAAAAGGTCAAAGTTA
ACACCAGCTCAATATTAATCATGGGGACTGTAGCTCCAGAAAAGTGGAGTTAATAAGAT
GATCCA

Sequence 2116

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTGGCTGA
GCCAGTGGTCACCTTAATTTAATAAACTCTCCTGAACCTTTTTTGGTCTCTCCAGTCTTT
GATTGNCCCGCAACAGTATTACAAACAAAAGGCATTAGGCAAAGCATGCTGAATTGATTG
GAGTCCCCTGGTCAAAGGTATTATTGATTGACGGCAATCAGATCCACTCCCTCAAAAAGG
ATTTGAGTAGGCCTNTTCTGTCCATCTGCANAAGGTTCCCCAAAAGGGGCAGAGGGGCGGG
GCCCTGGTGGGAG

Sequence 2117

AGGTACCACCATTTGTTTTCAATTTGTCCAAAAGCCCCTGCTCGTTCAGTTTTAACACT
GCCAGGTTTACTGGATTTCTTTAAAAACGAATAAATAACACTCGATGAGTAACAGGTGGA
GAACACTCAGCAAGTCACGTGACCCAAGGGATCGGTGAATCAGCTCCATTACCCAGCCTG
CCAGGTTGCCCTTTGACCTGAGGATGCCCTGCCCCCAACACCACTGCAGGAATTGGGGGA
TGGAGCCAAGGCATAGTCTCCATCATTGACTCCCATATGGAGAGGCGTCATTGTAACCT
AAGTTTTCAGAAGTTGGGTATTTGAAAGCAATGGCCCCAATAGTTTTCCCTCCTGTCT
GCTTTATAGATTTCTT

Sequence 2118

CCGGGCAGGTACAGCCTACCGAAAATACTCCAGGATAATCTCAAGATCCTTAACCTAATT
ACATCTGCAAAGACCCCTTTTTCCAAATAATGCCACCTCCACAGATTCTAGGCACAAGGAT
CTGGATATATCTTGTTGTAAGCCACCATTGAGTCACTACACTAGAAAGAGGAAAAACAA
CAACGATGTAACAAGAGGCGCAGAAGAAAGAACAGATGCAGCTTGTGTGGCAGTGCCCAT
CAAGGCAGGCTGGGGTAAACTGTGTCAACAGAAGCCCCAGATGGAACCTCAAGT

Sequence 2119

AGGACCGCACCATGTATTAAGAGACTATTATTTAATTGCAGTGGCATATTTGTCGAAA
ATCAAATGACTATGAATGGGAGTTTATTCTGGACTCTATTCTGTTCCATTGTCTATATGT
GTATCTTTATAGCAGGACCAACACTTGTGTTGTTACCATATAGATTTATAGTATGTTTTGA
GATTAGATAAGTTTAAGTCCTGCAGCTTCATACTTTTTCAGAGTTGTTTCACTATTCTTG
GTATTTTATACTTTTATATATATTTTAGGACCAATTTCTAGAAAAAGATTACGATGGCAT
TTAGGTAGATCAGTGTAGGGAGAATTGACGTCTTAGTAATATT

Sequence 2120

AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCACCTTT
TCAGTGAACCTCTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTT
GATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGT
GTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACGCTAGCTCTTCAACCGGAACATC
CAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAG
TGAGACAGATCAGCCATT

Sequence 2121

Table 2

TCGGCTCCCAGCTACTCACAGAGAACGTTTCTGTTTCTGACAGCAGAGTAAGAGAGGAGG
TGAGAAGAGAGACAGCCCATTCTCTTTTGGCCTAATTCCTAAGGAATCATGCCTCTGCCT
TCGGGCCATTCTCAAGTCTTGTTCAAGGATAAAATGATTTATTGATGGCCGTAATTAAAA
AGCAATGCCAACGGAAGCAGCGTCAGCATTITTCATTATACCTCGGCCGCCCCGGGCAGG
TACGCGGGGAGCGCTCCCCGCGAAGGACCGGAAAGGAGCGCCTACTAAGGACGCCGTCGA
GGTCCGGGGCGCCTNAACTCTATAGCTCTAACTG

Sequence 2122

AGGTACTTTAAATTTGATACCTTTCTCTAGGTTTGGGAAGTTCTCTGTTATTATTTTATT
GAATAAATTTCTACCCAATCTCTCTCTATTTTCTCTTAAGAACAATTACTTGGATTG
CCCTTTTGAGGCTAATTTCTAGGTCTTATAGGCATGCTTTGTTGTTTTTATTCTCTCTT
TTTTTGTCTTCTCTGACTGTGTATTTCAAGTAGTCTATCTTCAAGCTCACTCATTCTT
TCTTCTGCTGGATCAAGCCTGGAATCGAGGGCCTCAAGGGCCCTTTTGGTGCTCTTCCTC
ACTGCGGCTGAGCTGGCACCTAAGCTCATCACAAAGTGCTCTTCTCTCTC

Sequence 2123

CCGCGGTGGCGGCCGCCGGGCAGGTACCAGCTGTGGTGAGGGTGTGCTGCCACTGCAGC
TGCTGTCTGGGCATCTGTGTTAGGGCCAATACTTCAAGAAGTGTGAGTCATTGTGAAGTG
ACTGTAGGCAGCTGGGAAATAACAGCTGTGAACAGAAAAAAGACTGGAGGCGTGCTCTCT
GGAGGTCTGGGCATAGTGATGAGAGGCTGAGGAACAGAGAGGGAAAAAGAAAAATGCAATT
CTAAAATTAAAAAGAAAACCTTAATTTAAACCGTGATTACAGATAATTCCCATGTGTGA
GAGACAGTATAGGAAACACTCCAAAGAGCTTGCGTTAAACAAAAATAAGTAAAT

Sequence 2124

AGGTACAGGGTGAAGGAGCTGCTTCTGTCTTGTTGCGATCCAAGTTGTAAATGTTAATGA
AGTCTTGTTTGACCTCAGGATATCCCAGAAGCTCCTGAGAGACTGATGACAGACACCATT
AATGAACCAATCTTGCTGTGTGCGATTTCTGTGGAGATCAAGTCCTTCTACATGCAGCGA
TGTCTGAGGATTCCCGTCTTACTGAATCTGTCAAGTTTCTGTTTCAAAGAGTATTAATAA
TTTTGCTTTTTTAAGGGGGTGGGGACTGTCATCTGGAATCAGGTACCTGCCCC

Sequence 2125

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTAAAAGTGCCTGCTTATTGTTTTGTGCTA
CCTAGCATCCAGCCGCCCTTTAATTTTCAGGTTAGCGTGTGTTGTGTGGGTCCCAGTG
ACTGGCCTTGTCGTTTCTGCTCACCTCAGGATAGTTATGGAATGTTTCATGACATANACTT
AGCCAATTCAATGTTCTTGTCTANATTTTGAATACTGAAGGAGGAACAAAGTGAGGGA
CAGTTGAAGTGTTTACAGTGGTAAGGGCAATGATGTGGAGAGTCCANAGGTGAGGGCTGC
AGCAAGACTACAGTAGTGGAAGTGTCTAATAATAGCAATGCACAA

Sequence 2126

CCGGGCAGGTACTGTGTGTGGATCAAGTGTCTGATGAGAACCACATAACAGCATGGCTGAT
TCTGCTGAGGAAAGTCAGGGAATGTTTACAGCAGAGAGGACATTAGGTTAGGGCATGT
TGCCTAAGTAGGAGTTTCTCAGTTGAAGAAGATTGGAGGTGGAAGGGGAGGGAGGTAAAC
TTCTCAGGCAGAGGGAAAAGCAGGTGCAAAGGCAGGAAGTCTGTACCT

Sequence 2127

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTGGCTGTTTTAAGTTATTTTGACGGAAC
TTTTGATAAGAAATCTCAGATTAGACTTTTAAAGCCTTTCAAGGGTCAGAAGTCAAAGG
AGGGCGAACATCAGACTTTGGCTGCAGTATCTAAAAATCTGTATGAATTTCTCTCTCTT
GAGGTCTCCAATATATCTGGAGGTTCTGGCCATTTTCTGTAGGGGGATTCCCCTGGGT
CTGTGCCACTCCTGGGTGAATGGCTGATCTGTCTCACTCTTCTCCGTGATCCGAAGGTCA
CACTATGTCACTGATGAATCCTTATGTGTCCACCTGGATGTTCCGGTTG

Sequence 2128

CCGGGCAGGTACCTTTGCACCTGCATAATCCTGTGCCTGTTTAGATAGTCTGAGAGCTC
TCTCCTCTTTCTCCCTCTCTGGGAAATAAGAATGGCCCTAGGTTCCACAGAGTCTAAGGA
TAAATAACTGTTAAAGACATGAGTGTGTTAAGACATTTCAATCCAAACATAGCTGCATTG

Table 2

TTAAAAAAAAAAGTTGTTTTAAGACCTGCANGTAAGGAGCGTCCATCTGGAAAGGTAA
TGGGTTTGTGCGAGTAACCGGGATATGTTTACTACCGGTGCGTANAGGCGGAGGCATTCCCT
TGATGCACATTGTGGCGTAAGGCATCTGGCTCAGGTGTTCCAGGTAATAGAAGACCCAT

Sequence 2129

AGGTACTTCCAGCATGGGCTCTGTCCACCCTGCTCTCTGGGTCTACATCCAGCCCTTCAG
TTTTACTAGGCCAAATCTGAGGTGAGTCAACTGAGTTTGCAAATGTGCTTATTAGCAGG
TGTGGGATGTTCTACTACCTTCTTCAGAGCCACAGCATTCTGTTCTTCCCACATCATT
TCACTAAGGGTCTGACCAACTCATCTCCCAACCATTCAAGACACAGGAGAATTAAGTCA
GGCCTTCACACATGGAAGTCAGTCACAGTGCGTGAGAGAAGGGAGGGGCGGAGGGGCTGA
ATGAGGAGTGGATGTGAGCAGGTCCCCTGGCAGCTCCAAACCCAGTAGACAAGAAGCAGC
TTCCAGTGC

Sequence 2130

AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCACCTTT
TCAGTGAAGTCTTACATTTTGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTT
GATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGT
GTGCCACTCTCACAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTNAACCGGAACATC
CAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAG
TGAGACANATCAACCATTACCCAGGAGTGGCACAAACCCAGGGGAATCCCC

Sequence 2131

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTGGCGATGGTTTGCAAATCTTGACGT
TAAAAATCACCAGTGTTCATGTGTGTGGGAAATAAGAAGGCAGGGAGACAGAATGAAAA
GCCTGAGAAAACACAATAAGGCAGCTACCAGGAGGCAGCCTGAACGTGTCAGGGCCTGGG
CACGACACTTGCCCTTTCTTGAGGAGTGATTTGAAGCCATAGTGAAGACTGANCTCTA
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GTATCAACCATTTTAAATCTGCCCTCAAAAGCACANAACAAATNANACAGCATTTTGCTC
ACAGAGGAGAGGGTCTATGAGAACCAAAATTCAGCTTCAGCACATGGCCTTGGGTACCTG
CCCC

Sequence 2132

AATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCAAGATTGAAGCCCCCTTAAC
ATTAGTTCAGTCAAGTGTGGTTCCACTTGCCTGANCACAAGTTGGAAGTAGCTNTGTTAGGA
TTCTAGCCGGCATCCTTGCTGTCACTACTGGTTCTTGATAGTCAAGCCCCACTCTGTGC
ANAGCAAATCTTTGCTCANTTAAGCGAGCGTCANTCACTGGTAAGCTTGGCTGCCGGCCC
GGGGTTGTTAGGCTTTTCCATGCTACACCTGAATGAGATATTGACGAGACATTGCTACCT
AAACAGAGTTGAGAACTGGATAAATAAATAAATTAATTAATTTGTACAGGGCTGAGAG
AATAATTTGAAAATGCAACTTACACTTCCAGTGCAGAAACAGATCAAGGGAAGTACCTC
GGCCGCCCGGGCAGGTACTTCTGTATAACCCATTTTCTCATTTGTAAATGAACTAACA
TGGTATGTTACTGCGAAAATTAATGAATNAATGTAANGTNCATCAATGCACAATCTGGCC
AGTAGGTGGCCTATATAAATATTTGGNA

Sequence 2133

CGCCCGGGCAGGTACCAACAAGCTGTGTGCTTTAAGCAACAGAAATTTCTTCCCTCACAG
TTGCGGAGGTGAGAGGTGAGAAACANGGTGTCTGCAGGACCAACCTCTCCTCTGGATGC
TCTAGGTGAGAATCTTTCCATGCCTTTCTCTAGCTTCTGATGTTGCCGTCAGAACTTC
AGATGGAGTTCTTGGCTTCATTTCTTGAGGGGATTCCCCTGGGTCTGTGCCACTCC
TGGGTGAATGGATGATCTGTCTCACTCTTCTCCGTGATCCGAAGGTCACACTATGTCACT
GATGAATCCTTA

Sequence 2134

NGATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGATACAGTTTTTAAACCT
AAAGTTACTGGTGAACAAGCTTGCTATTACTGAGATGTATAATGAATGTCTTAAAGCTA

Table 2

TAAATCCACTCATCGTTGTGTTAAGGAGGAACTGAAGCACAAATTGTTAAGAACAAGTGA
ATTAGGTGAATATACATTGACAAAAGGTTGATAATAAAGTTGTCAGAATTTCAAAAATAA
TTTAGTGTGACTTGAAATCTTAAATCATGTTATATTAAATTAAGTAACACTTTACTGAT
TTAATATTGAGTCATTTCTAAGGAAAATACTGAAATATCAATTGCTTAACAGAAGTTTA
AAATATACGTAATTTGGCATCTTGGTTTCACATGTTATGGAAAAGCTAAACATATTTGGG
CCNGTTANTTAAAGGCATAAAAATTATTTTATGAGATGGTGTCTGCAAAATACTAAC
ATGATGCACTTCAAAATGCTNACTAATTTTCACTAGNAAATTAAGGTNCTAANAGTTAAT
TAAATTAATATTAGAGTAATNTAACTAGAAANTATGAANGGGAACAAATCTGTCCTCGG
C

Sequence 2135

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACTCATGGCAGAACCA
GCCCCCTCTGGGGACAGGGTCTAAGTTTAGAAGGAAACACCAGGANAGCGGTTAATTGACA
TTCCTTCAAATGCTGNTTCACACACCCAAAACAATTTTCATCTGGAAAATGGGCGGAAGGA
ACGAAGGGGTTGGTCTGAGGCTATCCAGAG

Sequence 2136

AATTGGAGCTCCCCGCGGTGGCGGCCGANGTACTCACATGCTGAGGGTANGAGGCNGANT
NTCTTTCGCTTGAANATNNCAGGATCTTTANCAAAAAGCCTGGACTCTGAAGACCCNANGN
GNNCATGGAACNTGNNTNACTGGATCCNTGANTCCAAAGGATGCCACTCCCCNCNTACC
TGCCCCGNGCGGCCNNTNTAGANCTNGNGNANNCCCNGGGCTGNCCGAATTCGANANNTAT
CTTNTCCNTNCCNNNAACCTTNAAGGNNGGCCNNGGTGCCCCCTTTNNCNCNTTTAANN
AGGGNNNNNTTNCNCNCNTNGNATACTNANNNCNATNNCTGCTCCTTGTGGTGGCTCTAGC
AGGTCTGGCTAAAACAAAAGGATTCCATACAACCATTGACATTGGAGTTAAGTATGCAGA
AAAACAAAACAAGACGTTTTGATGAAGGAAAAATAAAA

Sequence 2137

GGCNAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGNCAGGTACNTGNGCAANCTGATGG
CTCACAGNNGGTGGGGCACACACTCGNNGGNCTTGNCNGTCTGGTCTGTAAGATAAAAGG
TAATGTTTACGTTCCCAAATAATTATAATAAACAGGGTATATTTTAACATCTTTGNNGAA
TGCTCTCTTNCANCAAAAGACATTTCTNATGTATTGTTNAAATNAAAATCCACANGC
TCTGNTTTNACCTGAAGTATTTATCTATCCTCAGTCTCAGGACACTGTTGATGGAATTA
AGGTATAATGTGTTAAAGTCTGTGTGGCTTTCTCTTGTGTTACTTTGGGGGAAAGGATGCC
AGGAACATGTATAGTGTCTCAGTGCTAATACTCTATGATGGATTAACCAAAGCATCGGG
AGATGACTCATATTATCTTAACATGCTTTCTTTTATTG

Sequence 2138

TTGGAGCTCCCCGCGGTGGCGGCNCGAGGTACTATTGACCCAGCGATGGGGGCTTCGACA
TGGGCTTTAGGGAGTCATAAGTGGAGTCCGTAAAGAGGTATCTTTACTATCCCGCGTACT
CCAAGTCCCAAAGAATCTGTTCTGATGGTGTGTTACACAACCAGCCAAGCACAGCCTTA
GGTTGCTCTCAACTCAGAACTCACCTATCACACGTTGACGAATGCAAGAGCCTGTTAGA
GACACTGGAACCCAAGATGATGAAGTTTCATTCTTGTCGCCCAGGCTGGAGTGCAGTGGT
GCGTTCTCGGCTCACTGCAACCTCCGCCTCCCCGGCTCAAGCGATTCTCCTGTCTCANCC
TCCAAGTAGCTGGAAATACAGGCATGTGCCACCATGCCAGCTAATTTTGTATTTTAG
TAAAGATGGAGTTTCTTCATGTTGCCAGGAAAAAACCTTCACTGAAAAAGGNCGCTACC
ACTACTCGATTNTNTCTAAGTTGNTCAAATACCATGCAGGAACTGACTGTTATGANTAA
GACCTGGAAGGAAAAAT

Sequence 2139

CCGGGCAGGTACAGGACGCANAAAACCCAGGGTCCCAGAGCAGGGAGAGGATTCCCGGGA
CCGTGGCAGACTCATTCCCAGGGTGACAGCCACGGAGCGGGCTGAGAGACAGCAGTCCAG
GGTAGGCAGAAGGGGTGGGTTGCCNNTCCACACCTGTGGGTGTTTCTCGTTAGGTGGAAC
GAGAGACTTGGAAAAAGAGACACAGAGACAAAGTATANAGAAAGAAAAATGGGCCCA
GGGGACTGGCATTACGCATACGGAGGACCCGCGCCAGCACCGGCCTCTGAGTTCCTTAG

Table 2

TATTTATTGATCATTATCGGGCGTTTCCCGGAAAGGGGGATGTGGCAGGACAATAGGATA
ATANTGGGGAGAAGGTCAACATGTAAACATGTGAACAAATGTCTTTTGCATCATAAAAAAG
GTAAAGAAAAAGGTGCTGTGCTTTTGATGTGCATATAAATAAACATCTTAATGCCTTAA
GAGCANTTTTGTTCACACGTTCCACCTTCANCCCTTAGGCAGTTTTTCCCTTTNTTAN
TTGATGGAATNTCAATTGGGCTTTACACCTANACCTTCCATTGCCGGG

Sequence 2140

GATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGCAGTGGGAAGCTCGCAGCAG
CTGGGGAGGAGCCAAAGCCTCGGCGCTCACCTAAGCCGCAGGGAGGTACACCCAAGTGGG
AGATGGGGAAACAGCAACCCAGAGAGGAGAACTAACCACACAGGATCATTTCGTGAAGG
AGCAAGGCTGAAGAACCAGACCTGGACTTTCTTAGGACAACTTACTGCAGCTTGAAGGA
GCCAACCATGGATTTGAGGCGTGTGAAGGAATATTTCTCCTGGCTCTACTATCAATACCA
AATCATTAGCTGCTGTGCTGTTTTAGAGCCCTGGGAGCGATCTATGTTTAAACACCATCTT
ACTAACCATTATTGCTATGGTGGTATACACTGCCTATGTCTTTATTCCAATCCACATTG
CCTGGCTTGGGA

Sequence 2141

ANGTACCCGGGGCTCGGACNTAAGTANTTTGTTGGGCCGGGNTNTNANGCCTNGCTTCTC
TNTACTTTTNCACCTCTAGNCNANGATGNCTGATTNCCTGCCCGGN

Sequence 2142

AGGTACCGGTGCCCATCACCAACGCCACCCTGGACCAGATCACTGGCAAGTGGTTTTATA
TCGCATCGGCCTTCGAAACGAGGAGTACTTGTTTAACCATCAGAGGTGATCCCATCA
CCTTCACAGCCCCAGCCTCTGCTCCAGTCCCTCCCCAGCGAAAAGGGCCGCCCATGCCAT
CCTGCTGCTGGTGATTTGCTTTGTGGTCACTGGACTCAGTGGACATCATTATTTTATTAAC
CGTGTGGTAGGTTTTTAACCAATTATCCTGGATATCCAAAGGTTTGTGGTCCATCTTTA
GGCTTCCGTTTGTCTTTGGTACCTGCCCG

Sequence 2143

NAATTGGAGCTCCCCGCGGTGGCGGCCGGANGTNCCATNTNNGCGGNGANCTGAAGATGGG
TGGCCCNACANCCGNAANCCACNNTGCNCATTACCTGTNNATACTGCAGCCCTTATAT
GGAAACTTCTTACATCACTNTGNTGTGTGNGTNTCACAGGTGGGTTNTGCTGNACCNGCC
CN

Sequence 2144

ATTGGAGCTCCCCGCGGTGGCGGCCGTTATTGGTGGTGAAGACCCGTAGCAACAGTGGGC
ATGCTTCTCGCGGTCGATCGGTTTCTCTGGCTCCTTCTTAATTTCTCCTGGGTAACGC
GCGACTCCACCGCCATCTTCTCCTACGGCCTCCCCGCGTACCTGCCCGGGCGGCCGAGG
TACCTTTATGTCTGGCAAATAGCGCCCCAGAATGATGAGCAAGCACAGCATGGCGAACA
CCACCACCGCCACGACGCCACCGATCACGGCATGATCCACTGCCCTGATCGAGCCTTCTT
CACCTGCTCGGGAATCTGTGATGATGGTAAGGATGGTGGTG

Sequence 2145

GAGCTCCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACAGTAGGTGAAAGGTGAGGATTCA
TCCAAAATCTGCTGTAGTGTGAGTGCCTGAGCAAGCCANCAGAAAGATTCTGGTCAGAGT
GGGCCATCTAAATCAGTGATGTTGCAGGAAGAACTGGAGTGGGGTGAATTGATTGAGT
GTTACTGTAGGAGCCTATGGGTGGGAAGAGGCGGAATAGAGGGAATGATGGATGGCATGG
CTGTCAAGACTCTAAAAGGACCTGGCATTGGATGATTTGGCCATCTAGAGGCTGAAGTCG
TGCAGGATAATGCGAGGAAGGGCAGGAGGCATTGGGGTGAAGAGGAAGCCAGACTCCAA
GCCAGGGTGGTCAGTGAATGTGGCCATGTCTGGCATATCATGAAGGAGAGTTTCAAGGAT
GGGTGGAAGATTTGGCCANATGATAGGCCCTCAAAGGCTGAAAAGTTTGCTTGCTTGCT
TTAATAAATGGAGGAAAAAAGTATTCTAGAAGCNGGAATGGAAAATAAGTANTCTAACA
AAATCCTNTCCAACACCTGGCATTGGGGAATTTTAACTTAGAGAATACCATTTTAA
AACCNCCAGATTCTCCTATATCTCACCTTTTGGGAAGNCAGGTNGGAAGACATATGGG
CCACNTANTAAGACCTCTCTACAAAAAANCCCCNCCCNNTT

Table 2

AAAATTGGNNCCCCCCCCNCCCNNAANTTTTTNAAANTTTTNNCCCCC

Sequence 2146

AATTGGAGCTCCCCGCGGTGGCGGCCGCCGCCAGGTACTAAGGCCTCCTTGAGCTTAA
TAACTGGAATGGGTNTGTGGGGTTTATCACTAATGTCTNCTGAGTGCTGGTCACCATGT
CTCAAGCAATAGCCCTAAGGTGTCTACATGGATCACCTCATTACANCTTATAGCCAGGTC
TTATAATGATCAATNCCATGTTTTANATGAGGAACCNNGGGGCTCAGGTTAANCAACTTGC
CCTTGCCCTTGATCACACTGGTCCCTTGCTCCAAGGCCAANTNTATACTCAGGCCTCAT
ACCTGAGGACCACAACCTCAAAGGTCAAGCAGGGTTTGATGTCTGTTTTCTTTTTCTT
TTTTTTTTTTTTAAAAAANAAN

Sequence 2147

AGGTACCCTGGACTCATACCTGAAAGCAGNGTTCAACCTTAGCAAAATCTCCAACCAGNG
CATGAACANTTTNTACATNACAACGACCTGGTTTTCAAATTCAGCTCTCAAGGCCAAAT
CTTTTCTAAATTTAACCAAGAACTTCATCANTTCACAGAGAAAGTAATCCANGACCGGAA
GGAGTCTCTTAAGGATAAGCTAAAACAAGATACTACTCAGAAAAGGCGCTGGGATTTTCT
GGACATACTTTTGAGTGCCAAAAGCGAAAACACCAAAGATTTCTCTGAAGCAGATCTCCA
GGCTGAAGTGAAAACGTTTCATGTTTGAGGACATGACACCACATCCAGTGCTATCTCCTG
GATCCTTTACTGCTTGCCAAAGTACCTGCCCGGGCGGCCGCCCGGGCAGGTACNCGGGGG
GCTTTTGATTNTAATGATAATTGCNCCTTTATCTTTNAAAAGCTGATATTTNCTACCTAA
CCATCTACCGAGAAAAATATCTCATTAAAAAGCCATAAATAATTNNGGAGANGAAAGCC
TTANGTNTNAATTCCAAANCAGTGATTGAAAATTCCTCAAATAATTATGGCTTCTGTCTAT
CTCCAAANATACTGGCTTGGTTTACCCCATATCTAATTTCAAAAAA

Sequence 2148

ATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACAGCAATACATGAGTTCTTCTCTAGAA
AACCAAGCCTTCTCTGGCTGTTAGAAAGGAGGCTAAAGAGGCCGAGAACCAGGTGTTG
TGTTTGAAATCCCCTGAGGAAAGTGCTGATCAATCTCAAGCTGACAGAGACTCAAAGAAGG
CCANAAAGAGAAACTTTCTCCCTGGCCTGCGGACCTTGAAAAGCAGCCTTCCCACCATC
CTTTGCGGATCAAGAAGCAGTTGTTCCAGATCTCTATAGCAAAGAATGGAACAAGGCAG
TGCCTTTCTGTGAGTCTCAAAGAGGGTGACTATGTTGACGGCCCCACTGGGATTTTCAN
TGCACTTAAGGTCTACAGATGAGGAGTTTATTTCTCAAAAAACCAGGGAGGAAATTGGTT
TAGGGTCCCCCTTGGTACCTGCCCC

Sequence 2149

AGGTACCTTGACATCTCTGCCTGCGCTGCTCACCCACTGTCAAGAAAGAAAGGTAGAGC
CTGGTGCTCTCCCTAAGCACTGTGGGCCTCACAGTTCGGGCGGGAGCCCCCAGCACCTGG
CTCTTCTGATGGAAGCTTGGTTTCACTCTTCAGAGGTGGTGGAACATCCCCAGAAAA
CCGGTAGGCGTGGGCACAGTGGCTGGAGGCCGAGGGCTCCTCGCCATAGCAGAAGCA

Sequence 2150

NATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACAGTTTGTTCCTCAAGGCCATCTCTCACC
GACTTTGTCTTATTAAAAATAATTTTTAAATAATTTTACTTTTCTTCAAAGGAAGTT
TTTTTTAGTAAATATGTTTCATATCCCATCATAAGAAGTTGAAACAACACAAGATAAAA
ATTCCCTGGATTCTTCCCAGTTTTCATTTACTACCTCTGAGATAACTACTATTACCCATT
TGGAGTGTTTCTTTGTACAGCCTGGGTAGGGGAAAATCAAGTTCTTTCAGCTACCACC
CATCCAACCTTTGGGCCTATGTGAAAAGAAAGGAAGTAAAGCTGGGTGTGTTCTGTCTGGA
CCTGGGGAGGCCCTGAAGGCAAAGAGGGAACTGTCCCAGCTGTTCTGTCTAGGGGAG
GGGACATAGCCCTAACAGGAGCTCCCAGCCCCTCTTGGCACTCTGACACACAAGTACCT
GCCCC

Sequence 2151

AGCTCCACCGCGGTGGCGGCCCGGCCGGCAGGTACAGATGGGGTTTNTNCATGTTGATA
NACGNTATTCTNCAAACTCCCGACATCCAGTAATNCTACACACGGTCAGAGCGTACTCTA
GNTCTCATTATTNATCAATANGTGCACAAACGGGAAGTTTTCTGCTNAAGCCTGACTATT

Table 2

GNTTAACACATTGAATAAAGAANNATTTCCCAACATTTGGCA

Sequence 2152

AGCTCCACCGCGGTGGCGGCCGAGGTACCCAGGCCTCATTGATGTGGGCAGGCACTGGCA
GGGGCAGTGCTGGGTGGGGAGGAACTGTCTTCAGGCTCTCTGATGGTGTATGTCCATGGN
AAATTTAAACATGGGGTGACATGATTAATGTTGTATTTTGAAAGTGAAGTC

Sequence 2153

AATTGGAGCTCCCCGCGGTGGCGGCCGACGTACCCTGTGCTNGGCNNTGAATAACANCAC
GNANGNCCGNATCCNTGANNTTGNANANNNAATATNNAANGATANNGGCCTNNCNTCCN
GNATNCNGCTCCTCNNTTAAATNTAATNACACNTGTGGTNTATNCNCTTGNTNACATAAN
CNCAGGACNTNATNAAGNNGNACTGCCTANTNTGAANTAGGNANNCNNTNANGNTGGAAN
AATTGCANNTGATACNNATGGNNNAAAAGATCNTAATGNNGGNGCCNAGGTCNNAGNTAA
TGTTNNNTAAATNNNANNTNTATNGNACGATGGGAATAATCNTGGCTNTCGGNGAATCCT
TGTATCCGGATGTGCAGAAGCTTGTGAGCATCGCCTGCAAAAAGGGCCCTGTATCCATG
GAGACATTGACATGGGCTTTGATTTTCAAGTCCTTCTGAATCTTGGGGTCACAGGCTTGA
CTGAAATTGCCAACNAAAACCTTCCTG

Sequence 2154

GGNNCCATTGNTANTGCNATNGTANACNCTNNANNTNACNTACNTNAGACNTCTGGCTAT
ACCTNACNNNGNTTGTGNCNCTACGNCAANAANTGACCTCTGNANCANNNAGAACGATAT
AATANCTACTGGANACNCACAACACTCTCTAANATCTNCNAATACCTACTTCATCATGCT
GACCTGTGTGCAGGGNGCCNGGGNTTCTCTGAGCNCTNTNTATCGAATGGTGNCTGGNC
CACTTCACCTTNCCTGGGATGTNCCTGNGACAAGAGACAAGGAGAAGGCCTTAGGATCTA
CTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGT
TCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAAT
TTGCAAGGTAGGAGGCATCTTGGGTATTACTCTCANATTANCTTTGTTGCTGGAGCTATG
TGCTTCTAGGGACGTGTACCTGCCCNGGCGGCCGTCTANAACNTANNGGATCCC

Sequence 2155

CCGGGCAGGTACCGGGGGGGGTGCAGGGCAGTCAGACTGGAACCATGGAGCTCAGCGTNCT
CCTNTTCCTTGCACTCCTCACAGGCCTCTTGCTACTCCTGGTTCAGCGTCACCCTAATC
CCATGGCACCCCTCCCAACAGGGCCCCGCCCTCTGCCCTTTTGGGGAACCTTCTGCAGAT
GGACAGAAGAGGGCCTACTCAAATCCTTTCTGAGGGGGTGGATCTGATTGCCGTCAATCAA
TAATACCTTTGACCAAGGGACTCCAATCAATTCAGCATGCTTTGCCTAATGCCTTTTGT
TGTAATACTGTTGCGGGACAATCAAAGACTGGAGAGACCAAAAAAGGTTGAGGAGGTTT
ATTAATTAAGGTGACCACTGGCTCAGCCAGAAATATGTCCNAAAAAAAAAAAAAAAAAN
NNNCCCNAAAAAAAAAAAAA

Sequence 2156

AGGTACCTGGGGCAACACAAGCCCCGTGAAGATGAGTCTAGGTTACATTAGTGCAAAAAA
CCACAACCCAGAAGTGCCTTGCCATGGCTTCCAGGGCTGTGTTTACTAACTGCAAAATC
ATCTCCCTGCTGCGGTCTCAAAGTCTTCAGACATTTCTTGATCTGGCTGTCTTAAAAAGC
AAATTTAACATCAGCCACGTAGCCAGGTTTTCTTGCCAACAATCATGTGAGTTTGCTAT
TCTGTTCTGTGCATCTTGCGCACTCCCCGCGTACCTGCCCC

Sequence 2157

CCGCGGTGGCGGCCCGAGGTACTCAATCTGTGAAGTGTGTTCTCACAGTGTCCCACACCT
CCCCGAGGGGCTCACCTGCCACAGCAGTGCTCTCTGCTCTTCAGTCCACCTAGATACTC
TCTTCTCTTGATCTTGAAGCCTCCTTATCCTGACCCATCATTCTTGGAACCACTAACCT
ATAAAGTAATTGCAATCAGACTCCTGTTTCAAGGTCTGTTTCTGAGGATCCTCAACTTC
AGACACTGTAAATTTTTTTCATGGTAATGGTAAGGAAAATGCATTATTTTATCTGAAATA
TTCATTTTGTAAATCTTTTCATTAATTATCCAATTGTTGAAACAGAAAAAATTGCTTATT
ACTTTAAAAATGCACACACATATTAATATCTGTTTGAATCATAGATTCTGGCAAGTC
AGCCGTATCCATAATGTAAACAGATTTTTCTAACAAAAAAAAAAAAAAAAAAGT

Table 2

Sequence 2158

CCCCGCGGTGGCGGCCCGAGGTACTTTTTTTTTTTTTTTTTTTGAACCTCTGTTT
AGACCAAGAGGAAGAAGCCAAAGGCCTTCANAAACCCCAAAGTTAACACACCTCATCTGG
CTGCTCTAAATGCAGAACATTTCTAAGAAGTAGCATTAGGGGGTTCCCANATNAATCTT
GAAAACACATCAGGGCCTTCTNACCCCTNACTTGGCCAAAGATGTGCCGTGCTTTCGCAA
CATTCTGCCAATTCTTATTTCTCTTCACTTTCTGAGAAATGGGGGGAAAACACAACCCA
ACA

Sequence 2159

CCGCGGTGGCGGCCCGANGTACAGTTTTTGATCTTGTGGAAGAGTATGAAAACATCTGTG
GTAGTCAGGTGAATATACTGAGTAAATAGTGAGTCGAGCAACACCTGGACTTCAAAAAT
TTTCAAAAACAGCCAGTATGCTCTGGCTTCTTCAACAGGAGATGGTCGCATGGAGGCTCC
TGGCTTCTTTGTATAGAGACAGAATACAGTCTGCATTAGAAGAGGAAAGTGATTTCGAG
TTACTGCTGTTAATGCCAGTGAAAAACAGTTGTGGAAGCGTTATTTAGAGGGATTAC
TTGTTTCGACAAAAGTCAAGNTTGGTGGTAGAATTGGNTAGAAGAGTATTTGCCAAAGATGA
AATTGGAGAAATTTCTGATAATATTGAGTTTTATGCAAAATCAGTATATTGGGAAAATAC
TCTGCATACCTTAAACAACGGCAGCTGACTTCTTACCTTGAAGTGTCGCCCTTGTCA
CTGAATTGGACCCTGATGCTCCCATAGACAGAAAAATG

Sequence 2160

CCGGGCAGGTACTTATTTAAGACATTACTTAATAGAACTGCACCTCTCAAGTCTATTCT
AATATGATGCATGCAGGAAATGCAAAATTTGCATCCAAAATATTTAATGTTAAATAATAC
TAGACAAGTTTTTAAATCATAGTAAATTTTGTGTCATCAAGAGCAGAGAAAGTTA
TATTCTACGTAATACAATATTCTGATTTAGTTTCTCATCTGTAAATAAGACTGTTATG
GATTAATGAATTAATATTTGTTAGTATTTACAGTAGTCCCTAGCATATAGATTAAATG
CTACATAAGCGATTATTAATAAAGTAATATCATTGTGGCAGATCATATTTCCAAAATG
GCTTCAGCCGTATTTCTGGTCCAGCATGCTCTCCAGAACTTGCCAACCCACCCATCA
CATGGTAGAGTCTATTTCTCTCCTCTTGAACCTAGGGGGATTCTAATTATTCTGGCCAA
CAGAGCAAAATAGAAATAATGTTCTGTGACTTCCAAGGCTCTGTCATAAGAAGGATATAG
CTTCTGCCTATCTTTCTCTTTT

Sequence 2161

CCGCGGTGGCGGCCCGGAGGTACTGTGGGCTGAGCTGGTATCCAAAATGCAAGACAAAGT
TCTCTTTACTTTCTCTCTTCGAGCAGAAGGAAGGAGTCACTTTCTTGTGTGAGCTCT
GCTGCCTGGGGTTGGTGGAGAGGTGCAACCTCTCCCTTAGCCACTGTGTCTGGTACA
GTTAATCTTTGAAAACCTGGTGGGTTCAAAGGTTTTTTTTTTCTTCCACATTGGAAGAGAG
GAAGTATTGTATATACTGCCAAGATTTGTCTACAGAAAAGGATTATATGGCCCCAAAAC
AGACTTCTTTTGTCAATTTAGATGGCAGAGTGAATTTTGTTCATTATGTTTCTTAAGGAT
TAACAATTCCAGAAAGAACTGGGAAAGGGGAAATAGATGTTTGAGCTGAGAAGTTATTAT
CTTACCAGTTTTAAAAAATACTGCAAATACTCTGATACCTTGTTTTTCATGTCCTGCCA
TTTTGNAATAAATAACACTTTTCATATACAAGAGACTGGTATTATATACCTTCTAAATA
TTACATGTCAAGGGGCTTAAGAACTGATT

Sequence 2162

CCGCGGTGGCGGCCCGCCCGGGCAGGTACAGGAAACCTCATACGACGGGTGCATGTTAT
CCAGTGATCTTCTTCTCTTCAACAAATATGTATTGAACCCCTTCCATGTGCCAAGC
CCTGTGATATTAATGACGATTAATAAGAGTGATCAATGCCATGATAGGCGGTGTGAA
TGCATTGCAGGGAGCTCTCCCTAGTTTAGAGGTCAGGGATGACTCCAGAGGATGGGACAT
TTAACAATTAAGCTAAGATATTTATCAGATTATCTAGTTGAGAGTGGGGAGGAAGGTGGG
AGTTAGAGTTGGCCATTTGGAGCGAGGAGATGGGGATGGTTAATGGGTACCT

Sequence 2163

CGAGGTACAGGGTGAAGGAGCTGCTTCTGTCTTGTGCGATCCAAGTTGTAATGTTAAT
GAAGTCTTGTGTTGACCTCAGGATATCCAGAAAGCTCCTGAGAGACTGATGACAGACACCA

Table 2

TTAATGAACCAATCTTGCTGTGTCGATTTCTGTGGAGATCAAGTCCTTCTACATGCAGC
GATGTCCTGAGGATCCCCGTCTTACTGAATCTGTCAGTTTCTGTTCAAAGAGTATTAAT
AATTTTGCTTTTAAAGGGGTGGGGACTGTCATCTGGAATCAGGTACCTGCCCCG

Sequence 2164

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACAGAGAACAGAAGCCAT
GGTCTAGCACCAAAGAAGGGAGGATGCTAATGAAAGCCAACTAGGGAAGAGTCAAGGAGA
ATAGGGTCAGTGCCACAGCATGAACTGTAGCGTTGTAGCAGAAAGTTATTATATAAGGT
GGGAGGCTGCAGCCCATTACACCTAGGCCGCTCCAGTCATACTGGGTGTGGGAAGATT
AAGAAACAACAGGCAGGATTTGGGGAATAGGCTTCAGCCCCAGTAAAGGATAAGAAGAGG
AACCAAGGGCTTTGACACTGCAGAGCTCATACTCTTAACACTGAGGCAATTGCTTGTTCT
CAGACCTCCCTCTAACAACCTGGACCCAACCTCACTATTCTCATTCAATGGGAATATCTTA
GACATTCTAACCCAGCAGNTCTTCACTCAATTTCTACAGTAACACATTTGGTCGGTGA
GTCTTCTTTATCACACATATTCATGAACCAACTCTTCATATTGGGCCACTCACTCACA
TANGGCTTCCATTTTTTAAATTTGGCTGNATACCATGNNNTAACCACTTGNTTNTACCC
ATTTTCTCTTGGGAGGCTCACTTTTGTCTTGTNAAGATTGGGAAAAAAATTCAGGAAC
CTTGGTTCTACTAAAAAGGATTTGANGNCCTTCAATTGATTTTTAATTTTANAATGGG
TNAAGNCCTTACTGGGCCACCGNTTAAACCTTAAAAAAAAAAAAAAAAAAAAA

Sequence 2165

CGCCCCGGGCAGGTACCACATCCACTTGGTTCGAGCTCCTGGCTGTGTGCACGGAGGGTAAG
AATGTCTACACAGAGATCAAGTGCAACTCCCTGCTCCCCGCTGGATGACATCGTTCGCGTG
GTGACCCACGAGGACTGCATCCCTGAGGTGAGCGAGCCAGCCTGGCTGTGCCCTTCTCG
TTGCTATGTGGTGTGTGCTGCTGGCTCACTGGGAGACATGGTGGTGGCTGGCCTGGGG
GAGCCCTCATGGCTCTGAAAGCTGCAGCTCATTTTGTAGTGGGATTTCAAGTTCCTAAA
ACATTTTCTCGAGCATTGATTTTGCATGAAAGGAACACGGAAGAAGTTAGTCGTTCTTTC
TGTATCTTTAAGAACAGTGAGGAAAAAGCTTCAGCTCTGTGGACTAATTTAGCCTGTTG
AGCAAAGGGGATATGACCTGAATGAACTTTTCAGAAATGTGACGAAGAGTAGGTTGAGAT
CTAGTCCATATGAATGTAAGACTTAGTAAGTTAATTCCTTAAACAAAAACCCCTATTAC
AGAAAATAATGGCCATTATAAAAAATTT

Sequence 2166

GACTACTATAGGGGCGAATTGGGAGCTCCCCGCGGTGGCGGCCCGAGGTACCCCCACCT
TTAGGAAAAAACCTACAACATATATTTTATTTACTAATATTCTCGATGAAACAGGAAAA
ATTAATTTTATTGATGTCAACTGTTGGGCATGCATCTTTTAAATATTCTGTGTGATGAG
ATGGGACGTGCACATAAAGCCTTCTGCTGCATACAGATGCACAATGTCTGTCTGAGGA
AAGGTACCTGCCCCG

Sequence 2167

GCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACAGTGCCTATGCATAGTAATCTCT
CAAAATTGTTTGTGAGTGAGTGAATGTGTGAACATTTTATGAAATTATCTTTAAGAGTA
GTTACTCATGATCAGTATACTTTAAAGATCGGCNAAACATTGATGACTTTTTAAAAAGT
AATTTTGGCCAGGAGCAGGGGCTCATGCCTGTAATCCCAACACTGGGAAGTGAAGGGGGG
AGGATCACTTGAGGCCAAGAGTTCAAACTAGGCTAGTGGACGTAGCCCAGACCACATCG
CTNCAAAAGAAAAATTTTAAACAGCTGGATGTGGTTGGCATGTGCCTATTATCCCACT
ACTGGGGAGGCTAANGCAGGANGATTGCT

Sequence 2168

CCGGGCAGGTACACGTCCCTAGAAGCACATAGCTCCAGCAACAAAGCTAATCTGAGAGTA
ATACCCAAGATGCCTCCTACCTTGCAAATTTCAAGGAATTTCTCACTGGTGTATTTTATA
GGATGCTCAGTGAAAGTAGCATAAGGAACCTCAGTGGACCATGGGTTCCAGCGGGACAGA
AGAGACTACTCTCCGGACTCCCCAGTAGGATCCTAAGGCCTTCTCCTTGCTCTTGTC
CAGGGACATCCCAGGGAAGGTGAACCTTGCCAGGCAGATGCGATAGACAGCGCTCAGAGG
AATCCGCTGCAGCTGCACACAACCTCAGCATGATGAAGTCGTATTTGCAGATCAAGAGAGT

Table 2

CTTGTCTGTGACCAGTAAGAATTCTCTCCTTCTCATTGTTCCAGTGGTCTATCTTTGTCA
AGAGCCAGAAGCCTTGAACGGTCTCTTCAGAAGTCTCAGCTACGTGACCTTTCAAAGTCT
TCCTGGCAGTCTCAATGGCCCC

Sequence 2169

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAG
ACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGA
CAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTC
TCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCCTC
TGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTACCTTCCCTGGGATGTCCCTGGACA
AGAGACAAGGAGAAGGCCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGT
CCCGCTGGAACCCATGGTCCACTGAAGTTCCTTATGCTACTTCACTGAGCATCCTATGA
AATACACCAGTGAGAAATTCCTTGAAATTTGCAAGTTGTCTGGGTTCATGTCTAAACTTG
TTCCAGCTATCCANAATGCCCNCAAGAATCAACTGGATCTGGAAAAAGAAAGAAACTG
ATGGTGTTAACTGAACCCATTTTGATTGAGACCTACCCAGGGCTGATGTCATTATTGGA
AACCGAACCAACNTGGCTATTTCCCTTGGCGTNGGAATATTGGGTTTTGAGAGTCTTTTTG
GTCTTGGCCGTCTAACTAGNGGATCCCCNGCTGCAGGAATTTGAAATTAAGCNTATTG
ATCCCGNNANCTTNANGGGGGGCCCC

Sequence 2170

NAATTGGAGCTCCCCGCGGTGGCGGCNCGCCCGGGCAGGTACAGGAATGGAAAACCTGAA
ATTTGTCCCCTGTGCTGAAACAACAAGCTTTTCTTTGAGTATTGACCTGCTCTTAATAGA
AAATAGTGAAATGTTTTCTCTACCTTTTAGATAACTGGCCTAATAAACCAAGATTTTTG
TTTATCAAGGTAATTTCTTATGCTTTATGCTCTCTTTACTAGGTCTTTGATTACTTGAG
AAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGTGTGCCACTCTC
ACAAATAGCANAAAGAGTGGTGAGACACTAGCTCTTCAACCCGGAAC

Sequence 2171

GGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCNNGGCCCTTCGCCAGTGTGGG
GAACGCGGCGGAGCTGTGAGCCGGCGACTCGGGTCCCTGAGGTCTGGATTCTTCTCCGC
TACTGAGACACNGCNGACACACACAAACACAGAACCACACAGCCAGTCCCAGGAGCCCAG
TAATGGAGAGCCCCAAAANGAANAACCAGCANNTGAAAGTCGGGATCCTACACCTGGGCA
GCAGACAGAAGAAGATCACGATACAGCTGACATCCCAGTGCGCGACATGGAAGGTGATCT
GCAAGAGCTGCATCANTCAAACACCGGGGATAAATCTGGATTTGGGTTCGGCGTCAAGG
TGAAGATNATACCTAAAGAGGAACACTGTAAATGCCATAAGCATGTGAAGAGCAACCNC
CAGTTTAAATGAANACAAGCTGAAACAACGCAAGCTGGTTTTATATTAATATTTGACTT
AACTATCTCAATAAAGTTTTGCAGCTTTCCCCNNNANGAATTTNNNNNNNNNNNNNNNN
NNAAAATTTNTTTNNCNNGGCCCCCTTNNNTTTNACCCCAAGGGGNNTTGGGGGCNTT
TTTTTTAAAAA

Sequence 2172

CGCCCGGGCAGGTACCATAGAACAAGGCTTCTCCAACAGGCCGAGGTTGATGCAGGCAT
CCATGGCGCAGTCGAGCACCTTCAGCTGGTAGATGTTGATATCGGGAAGCCGTTTCAAGAT
TGCTGCTTATGATCGCCTGGCACATGGCCAGAACCTGCTCCCACTCTGTTATTAACCTTA
GTTAGGGATTCAATTGTCTTTATGAACTTTACAGCAAATGTATTTCTTCCAGCAAAGG
CTCCCGGAGACACAGTATCTTACTCCAAAAGATGAGTTCTTGATGAGAAATTTAAAGCA
CCCCAATGCACAGCTGAGAGCCTGTTCCATCACACCCACTACAATGTCCCCGCGTACCT

Sequence 2173

AGGTACATCATCACCATATTTGATTAAAAGTTCCACCACCTCTTGATGATTGTGTTCTGT
GGCCCAATGGAGAGCTGTATCTTTAACATGTCTTTGCATTGACATCAGCACCATGCTT
AAGGTA AACCTCTTACTATTGCTGGCATGGCCCTTCAGAAGCTTGCCATATGTTAATGG
GNTGTTTCGGTCCCACTTTGGGTTTCTTGGGCAATCTCTGGCTCACACCCANGCTCNAA
GCAANTTACCCTGGCCCCGGCCGGCCCGCCTTCTAANAACTAAGTGGGGATTCCCCCCC

Table 2

GGGGGCCNTGGCAAGGGGAAAATTATCNANTTTATTCAAAAGCCTTTTAATTCNGAATT
ACCCCNNGTTCCGAAACNTNNCAAAGGGGGGGG

Sequence 2174

CNGATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTAAGCTGGGGGAAAAA
GAGTAGGTAAACAGACATGGCCTTGGCCCTTCTGGAATTTACATTCTCGTATGTGCAT
GAAAGTTGTTTTGAAAAAACCCAAACCATGTTTTCTCTGCTTTCACACTACAACAAT
CAACACAGAAGACTTCTGTGACTCCAAAAATATGTAAGGATTTCTCCCCACCACAGGC
AAGCAATCAGTTCTGCAGCGGACACCAAGTTGGGTGTCTCCAATTCAATCCAACACTAT
CTACCTAGAGACAGCATCAGATCCACAGCATGAGGGCTCAATGCCCAAGCTGCCCCACA
GCCCCCTGGGCACCAGTAGCAAGTCTGGGCCTCTGGAACCTCTTTTTTGCAGANATGGG
GTCTCACTATATTGCCCAGACTGGGGGCTCA

Sequence 2175

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGGAAACCTCATA
CGACGGGTGCATGTTATCCAGTGATCTTCTTCTTCTTCAACAAATATGTATTGAACC
CCTTCCATGTGCCAAGCCCTGTGATATTAATGACGATTAAATAGAGTGATCAATGCC
ATGATAGGCGGTGTGAATGCATTACAGGGAGCTCTCCCTAGTTTAGAGGTGAGGGATGAC
TCCAGAGGATGGGACATTTAACATTTAAGCTAAGATATTTATCANATTATCTAGTTGAGA
GTGGGGAGGAAGGTGGGAGTTAGAGTTGGCCATTGGAGCGAGGAGGTGGGGATGGTTAA
TGGGTACCTCGGCCGCTCTAGAACTA

Sequence 2176

CGAGGTACAGTTACATTCTGTGGTTTTAAATCTTTTTTAATGGGCTTGGCATTCTTGC
CGTTTTTCTTCAATTATTTTCTTATTATTTGATTTTATGACCATTTTAAAGCTACCT
TTATTAGCTTTCTGATTACAATAATGAAATGACCAGTGTTCTCTTTTTTAATGTATAG
TAAGCAAGAAGAGTGACACACAACATCAACAGCCCCAGTCCCTACAACAGAAATCCGAC
CACAATGAGCACCATGGCTGCTGCCGAAGCAGCAGCTGCTGTTGTTGCAGCAGCAGCGGC
AGCAGCAGCAGCAGCTGCAGCCATGCTAATGCTTCCACTTCTGCTTCTAATACTGTCAA
GTGGAACCTGTTCCAGTTGTTCTGAGCCTGAA

Sequence 2177

AATTGGAGCTCCCCGCGGTGGCGGCCGGGGGTACGGATGGGAAAGCCGTGGGGCAATGGG
AGGTTGCAGGAAGCCCATCCTTCCCCTCTGCGGCAGGTACCT

Sequence 2178

GGGCNAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAAGTTGTCTTTATGC
TGCGAGATAAGTCTCTCTTGGTTTGAGCTCCACCTTTTCAGTGAACCTTACATTTTG
GGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTTGATTACTTGAGAAAAGTGAGT
GAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGTGTGCCACTCTCACAATAGCA
GAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACATCCAGGTGGACACATAAGGATTC
ATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAGTGAGACAGATCAACCATTAC
CCAGGAGTGGCAGACCCAGGGGAATCCCCCTACAAGAAAATGGTGAGTGAGTGAGAGT
CCCGTGGGATGCATATTTCTGCCACGAACCTTTGAAT

Sequence 2179

GATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCAAAAAGACTCTCAAAAACCAATACTC
CCACGGGCAGGGGAATAGCCAAGTTTGTTCGGTTTCCAATGAATGACATCAGCCCTGTG
TAGGTCTCAATCAAAATGGGTTCAAGTTAACACCATCAGTTTCTTCTTCCAGATCCA
GTTGAATTTCTGTGGGCATTCTGGATAGCTGGAACAAGCTTAGACATGAACCCAGACAAC
TTGCAAATTTCAAGGAATTTCTCACTGGTGTATTTATAGGATGCTCAGTGAAAGTAGCA
TAAGGAACCTCAGTGGACCATGGGTTCCAGCGGGACAGAAGAGACTGCTCCTCCGGACTC
CCCCAGTAGATCCTAAGGCCTTCTCCTTGTCTTGTCCAGGGACATCCAGGGAAGGTG
AAGTTGCCAGGCAGATGCCGATAGACAGCGCTCAGAGGAATCCGCTGCAGCTGCACACA
ACTCAGCATGATGAAGTCGTATTTGCAGATCAAGAGAGTCTTGTCTGTGACCAGTAAGAA

Table 2

TTCTCTCCTTCTCATTGTTCCAGTGGTCTATCTTTGTCAAGANCCAGAAGCCTTGAATGG
TCTCTCCAGAAGTCTTCAACTACGTGACCTTTCAAGTCTTNCATGGCAGTCTCAATGGCC
CCCGGCCGANGTACTTTTTTTTTTTTTTTTTTTT

Sequence 2180

ATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTAATTCTGATTGGAAAAAAGGCA
AGAGGCAGATCATGGGATCCATTAAAAAGCTTTCAAGCAATATCAGATACACATTTAAGTA
AAATCACTTTGAAGTGTTAACAGATGGATTAGAAAAATTAAAGCCAGGGTAAGCTAGGA
GGTTACTACACAGTTCTATACACAACTCATGTATTAGCAAATATTCAGAGTGAGTGAC
TGAATACACTTTCCAGACCTGAATTAAGTAGTGGCAGTGGGAGTGAAGACAACGAGGG
GAGATAGGCCAAGAACTATAGTTAGAACAGACATTAGGGACATAAGGAACATGGGTATTA
AAGAAAGGAAGATGATTCCTAGGCTTCTGATAATCTGAGACCATACTGTTTTCAGTTTGT
ATCCCATTTTTTTTTTTTTTGAAAAAATTTGNTNTTTNGCCCAGGCTAAAGGNCAGGG
GCTTNNNTNACTNCCTCCCCCTCCNGGGTTNAAACAATTTCTTGCCTNAACCNCCCNG
NGGNTGGGATTAAGGCCCCCCCAAANNNGCTGGGGTANTTTNTNTTTTTNANNAAAAAC
GGGGTTTCCCNTTTTGGCCNGGGTGGTNNTAAACCNNTTAACTTGGNNGNNAAGGTTCN
NNNNCCCNAAANCCNNCNTTGCCCTCCNNTNGGGNAACAAAGGAAACTTTTTCNAAAAA

Sequence 2181

TGGAGCTCCCCGCGGTGGCGGCCGAGGTACANGTCCACTAGCACGGCAGCTATAGTGTGG
GCATCTAAGAGTGCCCTGTAAGCAGCTGTGGCCAGACTGGGTCCCTGGGAGAGGCCAGCA
GACCAAGGAGTGCTCAGTTGGACCAGCTTCTTCTGATTGCAAGACCATCCTGCAGAAAT
TAGGCCCAACAGTTCCCGTAGGGCTAAAGTCTCTTATGGGAGACAGTTGAGCCTAGAGAA
ATGGCCATCACTGGCCACACTTTACTACAGATGCTCTTGACCAAACCCTCTGGCCACCA
CATGAGCTGGCTTGCTGCATTATCTCTTGCTTGCTTCTGGGGGCTGCATCTCAGAGAG
ATGTAGGTGAGCAATTACTCAGTGCAGCCAGCCAGGATGGAAGATCTTACTTTTGGCC
AAGTTAGGGGTTTGCTGTCTGCTGAGGAGCAGTGGGTAGTTTGTGGGACCCATGGAGGAT
GGGCTGGCTTCTCTCCTTGGGTAAACTGCAGTTGAGGTGTGAATAAGCACTTAAGGT
TTGGG

Sequence 2182

AATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGTTCGTGGGTCATTAN
CATTTCANATGAAGTGCTGGCAAGGGACCCTGCCATTCAGCAGCACAGTGCTGGGCACAC
CTGGGTTGTCACATGTGCCCTGTTAGGAGCGGTAGATGCCCTCTCCCTCTGTCANAGC
TGANCATGGCACTTGTAATANCCGTCTTCTGGAAGTGCTGGGTATNGGAACACCTGTG
GGGGCTGTTGCTCACCCCTCTTCAGGGAACGCTGGTGCTCATATTTA

Sequence 2183

AGGTATCCCGCGGACTTCCGGTTTGATAAGCCAAAGAAAAGCAGAAGCCCAGCCTCAGCA
GAAGCCCCAGGGGACAGTGGAGAGCGGTCAGAAGGGGAGGCCATGGAAATCTGCTCTGAG
CCTGTGGCAGCCTCCCCTGCACCGGCATGGTGAGAGGCGGATCTACAGACATAGGAATAC
CCTCTACCATCTGCTTTGGTCAGGGGTGCCCGCTCGGAGGGATTTAATAAGGCAACCAAN
GAAGAAAAACNCANAACCAGATGGCTGGATAGGACTCAAGTAAAAGGGAGTGGGGGGGG
CCAGTCACCCACTGGCTTGGGGCCGTGGCATTCCCGCCCCCTTGGGGCCCTTTTCTCCCGA
CCTTCTTGGTGGTGGGGCCGNNCCTGGGGGGGGCCAGGCCCTCGCNCATCCTTCCCAT
CCTTTGGTTTCCCTCAAGCAAAATGGGCATTTAGCAAGCCTTNTCCATTCAAGAAGGCTG
GTGNAGGGGACCCACANGTATTTTGGGAAA

Sequence 2184

AATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGAGAGCTGGTGTAAATTGAAAGA
CGTTTAGGTGCAATCATCTGCTGTTTGCTCCTTGCCAGGTTCAACATGGGATTGTGTGA
GTATTTGAAGAAAACAGCAATTTTTTCATATCTTTGAAAGATGTAAAAAGCGTAGATTAG
TGCTTAAATTAAGAAATCTGGTAATTTATAATCATGTGGCTCTAAATAAAAAAGGTATT

Table 2

TTATTTGTCTGGTGGATTAAAGCTTTAGAAAAGCTACGCCTTGGATACAAGTGAACCGAT
AATTCTGGTCTAATGTTGCCGTGGTAACAACATCATGCTGATATAATTGAGAACATCTTAT
ACATCCTGGTTGCAACATTTTCTCCCTGCCATTTTTGAGTTGTTCTAGTGGTATATGAAG
GAGGCTGGGATAACTAGCTTGAAGAAATTCAGT

Sequence 2185

CTATAGGGCCAATNGGAGCTCCCCGCGGTGGCGGCCGAGGTACACTCACAAGGAAATAGG
ATGTCAAGTCCTTGGGTAGTTTGATAGTTTTCCATGACACCANCTTATAGCACAATGCCA
AAATAAAGTTCAGGAGAAGGGTCAAATAATGCAGACTTGTAAGTTCCTGTAATTCCTGAC
TATACAATTGATTCCATTTTGAATGTTTAAACACACAGTTGCTCAGCAGTCTGGATGTTAC
TGTATCCCCCACAAAGACAGCTCTGTAATGAACATAAATCAGGCTATAAGAGAATATC
TCCTTACACTTGGTCTTCAGGGCAGAAGTAGCAACAAAGAAGCACAAGTCTCTTTGAAA
CCATATCTTGATTAGTGTCTCAGCCTAACACGTATTGCAGTGTGGCCCAACAGAAATG
GGTCTGTGAGATACTTCAACACCCGGCANGGGCTTGCT

Sequence 2186

GCGGCCCGAGGTACAACGCAGAGCAGGTCCTGAGTTGGGAGCCAGTGGCCCTGAGCAATA
GCACGAGGCCCTGTTGTCTACCAAGTGCAGTTTAAATACACCGACAGTAAATGGTTCACGG
CCGAGGACGCGGGCAAGCCCAAGGCTAAAAAGGCGGGCGGAACCAAACCTAAGAAGCCAG
TTGGGGCAGCCAAGAAGTCCAAGAAGGCGGCTGGCGGCGCAACTCCGAAGAAGAGCGCTA
AGAAAACACCGAAGAAGCAAGAAGC

Sequence 2187

CGNATTGGAGCTCCCCGCGGTGGCGGCCGCGGGCAGGTACACCTGCCAGACTGTCTCC
AGTGACATCCCACTATCCATGTAAATGGCACCAGCAAGCGACTCAAAAATATCCCCCATG
GCCTTTGGAACCTCAATATCCTCTTCTTCTCTTCATCCTCCTCAGATCTCCTAAGCTAT
TACAGAGGGAAAAGTGACTTGTAAGCAAAAAGGCCACTTTTACAGGCAGTCCACAGATGT
AGTTTCTTTTCTTGATATATGACTTTTGTACTTCTTTAGTAAGGGGGGAAATACCATT
TATGGTATGCCTACTATATTGTAATAGTAAACAAATGTTATATTTTTAAAAAGTTTTT
CAAACCTCTCAAGAAAAAAGAAAAAATATCCCCACCCCATTTATTATTCTATATACCCA
GCAAAGAAAAAGATTACTTCTAACTTTAAACAACCTTAACAAAAGAATTAAGAAATAGT
CAATAAAAGTATGAAAAA

Sequence 2188

GATTGGAGCTCCCCGCGGTGGCGGCCGCGGGGCCATTGGGACTGCCATGGAAGACTTGAA
AGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGAT
AGACCACTGGAACAATGAGAAGGAGAGAATTCCTGCTCAGACACAAGACTCTCTTGAT
CTGCAAATACGACTTCATCATGCTGAGTTGTGTGAGCTGCAGCGGATTCTCTGAGCGC
TGTCTATCGCATCTGCCTGGGCAAGTTACCTTCCCTGGGATGTCCCTGGACAAGAGACA
AGGAGAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTGTCCCGCTG
GAACCCATGGTCCACTGAAGTTCTTATGCTACTTTCACTGAGCATCCTATGAAATACACC
AGTGAGAAATTCCTGAAATTTGCAAGTTGTCTGGGTTTCATGTCTAANCTTGTTCCAGCT
ATCCAGAATGCCACAAAGAATTCAACTGGATCTGGAAGAAGAAAGAACTGATGGTGT
AACTGAACCCATTTTGATTGAAACCTACACAGGGCTGATGTCATTCAATTTGAAACCCGC
ACCAACTTTGGCTNTTTCCTTTGCCCGTNGGGAATATTGGGTTTTTGAGANTCTTTTTG
GTACCTCGGNCCG

Sequence 2189

GCGGCCGCGCGGCAGGTACAGTCCTTTGCCCCCGACAACTCATCCCCTAGTTGCAG
GTGTGCATTGCCGGGCTTCAGTTAACTGTCCGTGAAGGTTCAATTCATCACACATTTT
ACATTTTACAACAGTGTCTCTACTTTCATTGCTAGTCGTTTAAATTTGGCCACATGGCA
AAAATGTGTGTAATGCAGGGGTCTTTTTTAAGTGTTTCATTGAGCACGTAATCAAAGT
CTGAATATTAAATAAACATCTCTGCCCTTTCTTCTTCCAGCAGGCAGCTCAAAGAACGG
CTCTCCGCGCTCTCTGACAGGTACCGCG

Table 2

Sequence 2190

CTGTGAAATGAAAAAGAAAAACACAACCTTAGCTAGGCCCAAGATACCCCTCCCCACTCCT
CCACCATCCCCAAGTGTGGGGAAGTCAGAAGTGAAGCCCACGAGAATGCTGCACTGAGGG
ACTGGTATTCACAACTTACAGTTTCACCACGGTTTCCATGTTTGCCAGCAGGACCCACG
GGGCCATGAGGACCAGGTGCACCTGCAGCACCAACGGGACCAATATTGCCAGGGTAACCG
CGCTCTCCCTTGTGTCCGGGTGACCATCGCGACCTGGGGGACCATCGTTCCCAGGGTTG
CCCTGTGAAGACACCACACAAATTAAGGCTGTTGGTGAGGCTCTGCTGCCTACCAGCCCC
TATGTTGTAGCTACTCTGTCTTCATCACTTCCAGTGCTCAGTAACGAACCCTCTTTCAGA
CTGTTAAACTAGGGATAAAAACCTGCCAACCTAAATATTTTTTAGAGATGTTTTAAATA
CTTG

Sequence 2191

CNAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAGTTGTCTTTATGCTGCGAGATAA
GTCCTCTCTTGGTTTGAGCTCCACCTTTTCAGTGAACCTTTACATTTTGGGGGATCTGC
TCTTGTAAGGACATCCTTTCTGGTCTTTGATTCTTGAGAAAAGTGAGTGAGGTGGGGCC
AAGATGGTTGACTAGAAGCAGCTAGTGTGTGCCACTCTCACAAATAGCAGAAAGAGTGGT
GAGACACTAGCTCTTCAACCGGAACATCCAGGTGGACACATAAGGATTCATCAGTGACAT
AGTGTGACCTTCNGATCACGGAGAAGAGTGAGACAGATCAACCATTACCCAGGAGTGGC
ACAGACCCAGGGGAATCCCCCTACAAGAAAATGGTGAAGTGAGTGAGAATCCCGTGGGAT
GCATATTTCTTGCCACGAACCTTTGAATCCCTGGGCTCAGGAGATCCCCAAGCTT

Sequence 2192

CCGCGGTGGCGGCCGTCTTGTCTTCCCGGCCAGGAAGCTTCATCTTCCGGATCATCCGGG
AAAGGGACAGAGGCGGCCGAGGTACATTTCTCTTTGTGGAGCTATTTATTTTTCTGGAG
AGCCAAGACAGGTATTTCCACTTCAGTGGTGTGATTTGAGGGGTAGGAAAATTTCTTG
CCTTCAATTTCTTTCCAACTAGATGTCACAAATACATAATAGTAGTCCTTAACTTTAT
TTTTGTTTTTCAGTCACCTGAAAGACATGACAAATCCATACTCCATATTAATGCAGCGGCCA
TTCTCAAATAGAGAAGGGCTTTAAAAAATTAGAAATCTCTGCCGGGCGCAGTGGCTCACG
CCTGTAATCTCAACACTTTGGGAGGCCGAGATGGGCGGATCATGAGGTCAGGAGATCGAG
ACCATCCTGGCTAACACGGTGAAACCCCATCTCTACTAAAAATACAAAAAATTAACCANG
CGTGGTGGTGTGGGCCGCTGTATTTCCCACTACTCGGGANGCTTGAGTCANGAAAAATG

Sequence 2193

GGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTGCGGGTNT
TTTNNGTTTTTTTTTTTTTTTTTTTTTTTTTANNNNNNTTTTNTNTNTNCNT
NTTCTNACTANTAATANGGATNANGGCCCTCNTGNTGAACATNCCTGNCCNTCANNATCTN
ACACCCACATCACGCNNGNGGCCAGGTGCNCACTTTGTTCTTCTCNTGCTCCGNCNTGT
GACTTTCAAGATTGATTTCTTCTGAAAAAATATATTCCTGAAATTAAACTGANAAATCC
TGATTGAAANAGAGTGGGCTTTCTNGTCTACTCAAAAAATAATGGGAATATTAACCATTC
AATAATGTCTGGGGTAAATCAGAGATTTTAAATGAAGCCTTTCTGTATGACTACCAATCA
TTTAAATCAACATCATGTTTGCTATGAAGAAAGCCATCATTTCTACCCATCAAAAAATA
CATTTATGAAAGATGAAAGTGAG

Sequence 2194

ATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGACCTATTTTAAGGACA
AATGATTACCAACTTTAATTCATCTGCAACCTTAATTCTCCTTTTCATGTAATGTAAC
ATATTCACAGGTTCTGGCAATTTAGGATGTGGTTTTCTTCTGCATAATTATTCTGCCT
ATCACAACTTCCAAAGTTGAACATATTTGTGCAAGGTGGACATCCAAGCTACCAACAATG
TTGAAAGCTTAGATTTGTTCAACACATTTACAGACGTTACATTTCTTTATGCCTGAAA
GGTAGACCTTATACATAAAGCATGAACAAGTAAATGGTATGCTTTTTGTAGGATTCTT
GGCTCAGGGCCCAAGGAGCTTTACAGTACCTCGGCCGCTCTAGAACTAAGTG

Sequence 2195

GCTCCCCGCGGTGGGCGGCCGCCCGGGCAGGTACTTTGCCAAGCAGTAAAAGATCCAGGA

Table 2

GATAGCAGTAGTTGTGGTGTCAATGTCCTGCAACATGAACGTTTTCACTTCAGCTTGGAG
ATCTGCTTCAGAGAAGTCTTTGGTGTTCCTTTGGCACTCAAAAGTATGTCCAGAAA
ATCCTGGCGTCTTTCTGAGTAGTATCTTGTTCAGCTTATCCTTAAGAGACTCCTCCG
GTCCTGGATTACTTTCTCTGTGAAGTATGAAGTCTTGGTTAAATTTAGAAAAGATTG
GCCTTGAGAGCTGAATTTGAAAACAGGTCGTTGTGATGTAGAAAATTGTCATGCGCTG
GTTGGAGATTTTGCTAAGGTTGAACACTGCTTTCAGGTATGAGTCCAGGGTACCT
Sequence 2196
TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTAAGTCTCTCTCTCTCT
CTCACACATGACACACACACACACACACACACACACACCCACCAAACAACAGTGTAT
CCACAAATGAATGAATGAAAGTTTTACTTATAACTTCACTGAAACACAGCTTTTGCTTAT
TCTAGTTTAGGAACCATGAGTGATATTTTGGGAAACCTTTATGGATTAAAGAAATGATC
CCTGGCTGGGCGCGGTGGCTCAGCCTGTAATCCGACACTTTGGGAGGCCAAGGTGGGT
GGATCACGAGGTCGGGAGATCGAGACCCTCTGGCTAACACAGGTGAAACCCCGCTCTAT
TAAAAATGCAAAAAATTAGCCAGACATGGTGGCGGGCAGCTGTAGTCCAGCTACTTGGG
AGGCTGAAGCAGGACAATGGCGTGAACCCGGGAGGCGGAGCTTGCAGTGAGCCGAGATAG
CACCCTGCACTCCAGCCTGGGTGAAAGAGCGAGACTCCGCCCAAAAAAAAAAAAAAAAAA

Sequence 2197

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACGCGGGGAGTGCGCA
AGATGCACAGGAACAGAATAGCAAACCTCACATGATTGTTGGCAAGGAAAACCTGGCTACG
TGGCTGATGTTAAATTTGCTTTTTAAGACAGCCAGATCAAGAAATGTCTGAAGACTTTGA
GACTGCAGCAGGGAGATGATTTGCAGTTAGTAAACACAGCCCTGGGAAGCCATGGCAAG
CGAGTTCTGGGTGTGGTTTTTGCACTGAATGTAACCTAGACTCATCTTCACGGGCTTG
TGTTGCCCCANGTACCTCGGCCGCTCTAGAACTAGTGGN

Sequence 2198

CCGCGGTGGCGGCCGCCGGGACAGGTACCAACCTTGCAAATGGGAGCTGGCCAGTGGGT
TGGGGTGACCAATCAATGAACAAGAGAGGTCTGAGACCTCCCTGTCCGTGGGTCTGAAG
GGCTGCGTGGGGGCATGTGGCCTCACCTGTTCTCTAAGGTAGAAGTGTCCATAAAGGGC
CAGGTGTGCAGATCCTGGTCCTGGGATGTGAGTGCTGCTGAGCCAAGGTGCACGGAGCAT
TAGTTCATCCTTCTTGAACCTGCGGTGGCAATGGTTCTTGACAGGTATTGGGTAAAGAA
TTGAGGACTCAGTGACAGCTGTGGACCTTCTTCCAGAGAAGCACACATACTGAAACCAT
CTGCATTTGTGTGTGGGGAGAAAGTTTGAGATGTGGGGAGTCACAGGTCATTTGAAATTC
CAAGATTAAGAAACCTGTTACCTTTAAGATAAAGTCTGACTCCATGGTATGACAAATAA
ATCCCTTCCCAGTCTGGTCTTAACCCAGACCTCATTTGCCACATGTGCCCACTCCCCATC
CCCCTGCAGGCCATTCTCANCCACCATGGCCTTTGGCCTTGCTTATTAGGTTCTTCCA
ANGACCTTCTCACCAGGCCTGAGGGTACCT

Sequence 2199

CGCCCCGGGCAGGTACGTTTAAATGGGATTGTTTGTTTTCACTTGTTGATTTTTTTAAGT
TCACCAGATGCACTGTGCTGGGGTCTGTGATAGTCCCTAATTGCTGTGCACCCCTCCCAA
GCCTGAGAGCAGCAGGAGGGAGGGTTGCGAGACAGCAAAAAGGTGGACTGCCTCTCTCTT
TGGAAGCTGCATGCCGGAGAAGTGTAGAGCTGCTCCCAGCTGGAGAACTCAGGAGGGCTA
GGGTGGCCTCACTAGCATCCCAGGCTAGTGGGCCTTATCCTACAAGGTTCAAGTGGTGGT
GAGGTCTGCAAGTCTATCACTGCTCAGCCCCATGGACTTGGCCCCCTTTTCTGGGGAGCGT
GCAAGAAACTTGGCCTCCCCAATTGCTGGAGCTGCAGCCCCTGGTTTGGGGTACCTCG
GCCGCTCTAGAACTA

Sequence 2200

TGAAGGGTTTAATTTGCCGCCGCTTGGGCCGTANATCATGGGTCATAGCTGTTTCCTGGT
GTGGAAAATTGTTTATCCCGCTCACNAATTTCCACACCAANNATANCGANNNCNCGGGGA
GCATTAAAAGGTGGTAAAAGCCCTGGGGGGTTGCCCTTAATGGAGGTGTAGNCTAAACTT

Table 2

CACAATTTAAATTTTGCCGTTTGCCNCTTCAACTTGNCNCNGCTTTTCCCAGNTCGGGGN
AAAACCCCTTGTTCCGNTGGCCAGCCTNGCAATTAATGGAATTCGGGCNCAAACGGCC
NCCGGGNGTANGAAGGGCCGNGNTTGGCCGTTATTTGGGGCCG

Sequence 2201

GAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTGNTNTTC
CTCCTTTATTTTAATTATTTATTTAGGCTCTTGCCATTCAAGGAAATCCCTATCAAAATA
CTAGCTGAACACAAGCTAATGGAACAGAGACTTNANAAACCACACATGACAAACATCAAC
TTTACAAAAATAATTTTGCAAGTCCAAACACAAACAGNCATAGTCCACTGCAAGCAACA
AAAAATAACTCTGAGGAATGAGAAGAATCTGATTCCAGAGTTACCACCACATTAATA
TCCAATTCTTAACCACAACAACAACAAATCACAAACCTGGCTGGGTGCGNGGGCTCAC
ANCTNTAATCCCAGCACTTAAGAGGCTGAGGCANACGGATCACCTGAGGTCAGGGAGTT
CAAGACCAGCCTGGCCAACATGGGGAAACCC

Sequence 2202

ATAGGGCAGAATTGGAGCTCCACTCGCANGNGGGCGGCTCGAGGTACTGGCAAAAAAGAT
GTTCCGTGGTTCCAGCAGAAGCCAGGCCAGGCCCTGTGTTAGTGATGTATAAAGACAGC
GAGCGGCCCTCAGGGATCTCTGAGCGATTCTCCGGCTCCAGNTCACGGACCACAGNTCAC
CTNTGACCATCAAGTGGGGGCCACCGTTTGAAGGGATGGAGGCTTGACTATTTACTGGT
TACTGTTGNCGGTCCCGCTCNTAAGAACCTAGGTGGGATNCCCCNCGGGGCTGCCAAGG
GAATTTNCGGATANNCANAGCCTTTATTCCGGAATACNCGNGCGGACCTCTTCTGTANGG
GGGGGGGGGNCNCGGGTTAGCTCCCAAGGCNTGTGTNTGGTGTGCNCCCTCTTTANGTT
GGAAGNGGGTTNTAAANTTTGGCCGGCCGNCCTTTGGGCCGNTGANANTCCATTGGGGGT
GCAAATAAGNCCTGGNTTNTTCCCTTGGTGGTTGGAAAAATATGGGTNTAATTGCCCCG
GCCTTNCAACCAATTTGCCANCCAACCAATCCATTTACCTGNAAGGCCTCCGGGGGG
AGGCCAATTAANAAGNTTGGTTANAAAAGGCCCTTGGGGGGGTTG

Sequence 2203

GGGCAGGTACGCTCTCCAACCTGGCCAATACAAATCCCTTGTATCCGTCTTCCGGGCTGCA
GGGCTCCCTCAGGCAGAGGCTATGACCTGCAGATAGGCCACACCATTCTTGGACTGGTCC
TGTAAGCAGGGTCCCAATCCCTGTTACTGCTTCATGGCCTGTTGAGAAGTGGGCCAC
ACAGCAGGAGGGACTTCAGTACCT

Sequence 2204

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGTCCCATATCATTAAAGTGCCAGTG
TCCTGCATTGAGTTTGTGGTTAATTAATGAGCTCTTCTGCTGATGGACCCTGGAGCAAT
TTCTCCCTCACCTGACATTCAAGGTGGTCACTGCCCTAGTAGTTGGAGCTCAGTAGCT
GAATTTCTGAAACCAAACTGTGTCTTCATAAAATAAGGTGCAAAAAAAAAAATACCAGT
TAAGTAAAGCCTCAACTGGGTTTTGTCTTATGAAAATATCATTATAATCACTATTTAT
TTCCTAAGTTGAACCTGAATAGAAAGGGAAACCATCTTATTAAGCTTTTTATTAGGCC
TGNGGCTAAATGTGTACCTGCCCGGGCCGGCCGCTCTAGAACTAAGNGGATCCCCCG

Sequence 2205

CCGCGGTGGCGGCCGCGGGCAGGTACAGAGCAGGGGCTGAGAGGTTGGCTCAGGTTGG
CTCTCTGGGAGCCTGACTGTAAGTCTATAGTTTATTTATTTTGTGTTGTGAGAAATC
TTTGATAAGTTAGAACAGTGGTTCTCAAAATGTGATCTTGGGACCCATCAGGGTTCCCGA
GACCTTTGTAGGGTGCCTATGAAGTAAACATCTTGTACATAACAATATTAATTATTTGCC
TTTTTCGCTCTCATTCTTTCTTAGGTGGAATGTTCTAGAAGGCATATGATGTGATCTTGC
AACAGATTGAATGCAGAAACAGAGATGAGCGTCCAGCCATCTTCCATTAAGCCAGATTTT
AAGAGACTTCAAAAATGTGTAACAATGCTACTCTTCTCACAAATTATTTTGGTTTGGG
AAAATATATTTAAAAA

Sequence 2206

AGGTGGCGGCCGAGGTACGCGGGTAACCTGACGATCTCAGACGTCAGCGTGAGTGATGTG
CCATTTCTTTCTCTGCCAGTCTGGGGCTGGGGTGCCAGGCTGGGGCATCGCGCTGCTG

Table 2

GTGCATGGTCTGTGTTCTGGNTGCCGCTGGCCATTGTNCTATCTCATTGCCCTTGNTCTG
TCCTGTCAACGTGCNCGCCNAAAAGGAACCTACNNGNGCCAGNTTTGGGNCCATNNTT
TTTCCANCCCNCGGGGNAATGNCCCTACCACATTCTCTTATTGNAGGCCGGAGGTACCCC
TTGTCCNNGGGGGCNGGGCACCGNCTTCTTAAGAAACCTTAAGNTGGGGATTCCCCCCCC
CGGGGGCCTTGGAAGGGGAAATCTCCCGNATTAATGNNAAGGCCTTTNAATNCGGAA
TTANCCCCGGCTNCCGGAACCCCTTNNNGGANGGGGGGGGGGGNCCCCCCCCGGGGNTN
CCCCCAAGGCCTTNTTTTNGTTTCCCCCTTNTTTTAANTATGGAAGGGGGGGTTTA
AAATTTTGCCGNCNCCGCCCT

Sequence 2207

AGGTACACAGAGAGGGGTGTCACTTCAGAAAATCTTCCAGCATGTTCTTCAGAATATTAA
TTTATATGCGAGGTGAGGTGGGAATGAAAAGAACAGGTGAGCACTTTTTTTTTTCTA
GAACATACAAAAGAACATGGNGGACTTTCAGGGGAGTGCCAATGGCAAAGGNCGAATATT
TCCTTAAGGGGTCCCCGNAGGNAATGGGGTAGTTGNAGAGGGGAGGGGGGAACACAAAT
GGCTTTTTGNAGGCTTACNTTTTTACCCCTTCTGGATACTTANGTTCCAAGGNNCCC
AGAANCCCAGNCGCACNCANGGCCAAAAATTTTCTTATCCTCGGGGTGCCNNGGGCCC
CACCTGGANAAAAATNCCCCTTTGGTTTCAAAGNAAACCCAGGAATCCACCAAANNATTC
CTCGGGGGGGCCTTCTTTTGGGTNCCCCCATTTTGNNGAAGGNAAGGGGGAAAGGGG
AAAAGNAAAGCCCCTCCAAAAAANTTANACGGTTGGNTGGCCAACCCNCAATNGGCCNC
CAATTAATTTTCNAGGNGGAAAAC

Sequence 2208

CCGGGCAGGTACCATTATTATCCCCACTTCAGAAATGAAGAACTGANCTCAGAGAGGG
GAATTCATTGGCCTGAAGTCAGCACAGCTGGCAAGTCTGTAACCAAAACCTAAGCCTGCA
ACTTCTGCTGTTCACTGCTGCCTCCCACAGCAAAGGGACTTCAGCTACCACTCAACAT
CTTGTTGACCAAGCCATAGGGCAAATATGGCCATCCCGATATACACACACTGTCCTCAGT
GCACTTCCAGGATGCCCTTCCAAATTAAGGAGCTCTGCAGGGCCTGGGGGATCTAGCTGCC
ATTTCCAAGGCTGGCAGGGCAGAGCANAGGTGGAGCCTGGAAGGAGCCCACTTTGGTTTG
TAAGCCTCCTTGCAAGTGCACTGGGCCACCTGAGGCACCTTAGGGGCCCTTCTAGGATGTCA
GGCACCTTCACCTCTGAAACTAANGCTGGGACCAGGGCTGGAGGACTCTTTGCCACCTC
TTTTTT

Sequence 2209

ACTATAGGGCGAAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACTTTTTT
TTTTTTTTTTTTTTGGGATTTTAGTAGAGGCGGGTTTACCATGTTGGCCAGGCTGG
TCTCAAACCTCTGACCTCAGGGATCCTCCAGCCTCGGCCTCCCAAAGTCTGAGATTATA
GGCCGGAGCCACCGCGCCCGGGCTCATGACAAATTTCTAAGGCAGCACAGATGAAACAAG
GAAAGCAGGAACCAGGGTCCAAACCATGTCTCTCTACTCTAAATTCGATGCTCCTTCCA
CTACACTGATGGCTTTCACAGTTTACAGTGCTTGCAATCACCTAAAGGTCTGTTCACA
GATCACAGGATACCGACCAAGTAGGTGCGGGTGGGGCCCGAGAATNTGTATTCTAGCGA
GCGCCCAAAAGTAGCGGAGGCTGCTGGTCGTGCGGCTACCCTTGCCTGGCAAG

Sequence 2210

TAGGGNTTTTTGGAGCTCCCCGCGGTGGCGGCCGAGGTGCCACTGCGCGTAGCCACTATA
GCCTTTCGCACAGTTTAAATACA

Sequence 2211

CCGGGCAGGTACGCGGGATTTGAGAACCCTTGCCCTACAGACAGTTTCTGAGAGCACCCC
AGGAGGATTAAGTTTTAGTTACTCACCATTGTGATGTGTTCAATGAAGTGGCCTTTAGTT
TCTATCTTCTGGTTTCTGTCTCCCTAACTCCCTTCCAGTATTTCTGGAATCATCAGCC
AAATAAATTACTTGCACTTGGATCATTGTTTTGGGGTCTGCTCTCAGGAAACCTAAACTA
TGACACTCTATATCTACAGTTCTGGTATTCATATTTGTTTCAGTCAGCTAATGTTGGACT
CTGTTAGCACAGCTGTTTGAATTTAACTTTTCAAGAAATCTTTCATCCTTATTATTC
ATTCCTGTTTTATTCTTGGATATCCTAAGTGCATACCCAGACTAAATGATAATATCAACA

Table 2

CTTGTTCAAGTATGGTTGGTCATTTTTAAAAATAAACAGGCAAT

Sequence 2212

AGGTACTCTATACCCAGGCAAAGGCAAGCAAGCAGCCTTGAACAAGTCATTCAACTCATT
GAAGCTGATGTATCCATTGCCATCAGTATCAACTTTGGCAAAAGCTTCTCTGAGCTCCAT
CATTTCTCATCGGACACTGATCCTCTGGCCATTTTTATTGCTTTAGGTAACAGATCTC
AGCAGCACGAAAAGCTCTGTCTAGATGCATTCTCCTCACTGGCCCCAGGCAGATGCCCCC
GCGTACATGTTATTCACCTGGGTCTCCCATGCTTCAAAAACACCTAACGCTGTTAACATT
GAGAAGAGGATTGAGAGGAGCAGAATACAAAGGTATTTATTAAGGTAATTATAATAGCCG
TAGAATAACAGGCCAGAGAACTGAAAGTGATTGAATAATGAGAATAAAAACAAAGGAAGA
GGGTTGAGTGTGGCAGTACCTGCCCCG

Sequence 2213

GCGAATTGGACTCCACCGCGGTGGCGGCCGCCCGGGCAGGTAAGTGTCTGTGGTTTCATG
GCCTTTCTTCCATTTGTGGTTCTTGTGAAGTGGAATTTAAATGACATCAAGATGGATAAA
CCCTAGTTTCCCAGTGCTGGAATATANAAATGGATGGACAAGTAAATCCCACTCATCAC
CCATAGTCCAGGCATGGGGACCTCAACACACCTGAGCCCCAGACATCACCTTTCATTCTG
GACCTACCATGAAAGGACTTCTTGAATCCAGGAAGAGAGNACTGACTTGGGCAACATGTT
TATTCAGAAAAACAGGACCCCTTGCCCTGTTCATTTANGATGGGAAGTTTTCANGTGGGT
CCCAATCAATGTGCTTCAAGTTGGTAAGCNCTTCAAAAACCTTCNCCCAGGGNCTTCAAA
GGCAAAATCCCTTACCCCATGGTCCANNCCCTTTCNCCCAGNNTNANCTTGGNGGAA
CTTAACNAAGNGTAAAGCCATTCCGGGTGGACCACCTTTCAGNTGGAAAAATNTTGGG
NTTTTTTA

Sequence 2214

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGTAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAAGGAGAAGGCCCTTAGGATCTACTGGGG
GAGTCCGGAGGAGCAGTCTCTCTGTCCCGCTGGAACCCATGGTCCACTGAAGGTTCCCTT
ATGCTACTTTCACTGAGCATNCTATGAAAATACACCAGTGAGAAATTCCTTGAAAANTT
TGCAAGTTGTCTGGGGTTTCATGTCTAAGCTTGGTTCCAGCTATCCAGAATGCCACAAG
NAATTTCACTGGGATCTGGGAAGA

Sequence 2215

TTGGAGCTCCACCCGCGGTGGCGGCCGAGGTACGCGGTGGCAGTGGGAAGCTCGCAGCAG
CTGGGGAGGAGCCAAAGCCTCGGCGCTCACCTAAGCCGCAAGGAGATACACCCAAGTGGG
AGATGAGGAAACAGCAACCCAGAGAGGAGAACTAACCCACACAGGATCATTTCGTGAAGG
AGCAAGGCTGAAGAACCAGACCTGGACTTTCTTAGGACAACTTACTGCAGCTTGAAGGA
GCCAACCATGGATTGAGGCGTGTGAAGGAATATTTCTCCTGGCTCTACTATCAATACCA
AATCATTAGCTGCTGTGCTGTTTTAGAGCCCTGGGAGCGATCTATGTTTAACACCATCTT
ANTAANGATTATTGCTATGGTGGTATACACTGCCTGTGTCTTTATTCCAATCCACATTGG
CCTGGCTTGGGAATTTTTCTCAAAAATATGTAGGATATNANGGGTANCNGNAGCCGGGCC
GGCCGCTCTTAGAATA

Sequence 2216

ANGTACTTNCCTCGATCTGTTTCTGCACTGGAAGTGTAAGTTGCATTTTCAAAATTATTC
TCTCAGCCCTGTGACAATTTAATTAATTTATTTATCCAGTTTCTCAACTCTGTTTA
GGTAGCAATGTCTCGTCAATATCTCATTACGGTGTAGCATGGAAAAGCCTAACAAACCCCG
GGCCGGCAGCCAAGCTTACCAGTGACTGACGCTCGCTTAACTGAGCAAAGATTGCTCTG
CACAGAGTGGGGCTTACTATACAAGAACCAGTAGTGACAGCAAGGATGCCGGCTAGAAT
CCTAACAAAGCTACTTCCAACCTTGCTCAGGCAAGTGGAANTGACACTTAACTGAATG
TTAAGGGGCTTCAATCTNNGGTACCTGCCGGGGCGGCCNCTAGAACTAGTGGGATCCC

Table 2

CNGGGCTGCAN

Sequence 2217

GA CTGATGTGCTCATGGGACATACCAGTGAAGACAGCANCTCTCCANGACTGGGGTTCA
GCAGGGAGGGCTCAGACGAGTTCAGGATGTCAAATCATCGAGGTGTATCTGGTGGTGATG
GGAACCCAGCCAGTGAGCAGGAATAATCANANAAGAGCANAGGGTCAAGGTCAGAGTCCTA
GAGAGCTGGTCTGGGAAGGGGAAACTGAGGAATGGGCCCCCAGGCGGGAGGTATAGGAGG
AGCCACCTAGAGTGAGAGGCAG

Sequence 2218

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACGCGGGGGACT
CGGGGTCGCCTTTGGAGCAGAGAGGAGGCAATGGCCACCATGGAGAACANGGTGATCTGC
GCCCTGTTCTGGTGTCCATGCTGGCCCTCACACCCTGNCCNAGGCCCATACAGAGACGT
GTACCTCGGC

Sequence 2219

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACACCCTGGGGAAGAAAG
TGATCCTGGTAATTGAGCTCCTAGGCCTGGGAGAAAAATGAGGTAAGCTCGATCTCCGTA
GGACTTATGGAAGGAAAGACATCAGAGCAATCTCTCAGACAGAGGGGAAATGAAAACATA
ACATGAAATGATGGAGGGAGCATTGGTGTAGCCAGCAAGCCTGGATTCTAGTGAAGCCC
AATTCACCAGCCATTTGGTCTTAGTAAGGCCATTACCGCGCTCTAGGTTTGAGTCTCATT
TGTAAGTGAAGGGAGTGGAGGGGCTTATAGAGCTCGAACCCTCTGAGTCTAAGAGGCTA
GAAAGCGTGCGATCTATACTCCGCCTAAGAAAGGAACATCTANGTATGNTNAAAAACAGT
GGAGAAGTATGGCGTATATAANNTCTGGGCTACCNAGGCATTTCGAGCGTGGACCACCNA
TAGAGACACAAATCCAGGCATCCCTTTC

Sequence 2220

AATNGGAGCTCCCCGCGGTGGCGGCCCGAGGTACTTTTATAAATGGGTGTTCATTTTTT
GTTTTATTGTTTGATATTTGGCCTCCATAGTAATATGTCTGGAGCTTGATCTTTATAAG
TTTCTCCTGGTTCTGTGAAATCTATTATCACCAAATTTTCACGAACCAGGCAATGACATT
ACTATTTATTTGTAGGTTGAAACATTTTTAGCATGCAAGGAACCTATTTCAGCGTGCAT
GCATACACATGCACAAAAACACATTAAATTGCCGGTGTTCACAGTGCATGTGAAGGTAAT
TGCAAGAAAAATATGTTTTAAAGCAACAATAGAAAGATAAGAAAAGTACCTGCCCGGGCG
GCCGCTCTAGAACTAAGTGGATCCCCCGGGCTGCAAGGAATT

Sequence 2221

GCCGAAGTACCCCTCCTTTTAGGTGGGGTTCAGCAGACACAGGGGCGCCATGTGGCCCGA
GTTACCAAGATGAACACGAGTTCAACGCCCACCTGTTTTGTGCGATGTGCTGTATGGATG
AACGGGACCGGGTTTCAAGAAACGTTACCAAGTGGGTCAACAAGCACTTAATGAANG
TCCGCAAGCACATCAATGATCTTTATGAAGATCTGCGGGATGGCCATAACC

Sequence 2222

CCGCGGTGGGCGGCCCGCCCGGGCAGGTACTGAAAATATGAAAATTGCTTAGGCCAAAGA
ATGGGCTTTTCAATAGCACACTGCAAACTGGGCCCAAGTATTTAAACATCTCTAAAAA
ATATCTAGGTTGGCAGGTTTTATCCCTAGTTTTAACAGTCTGAAAGAGGGTTTCGTTACT
GAGCACTGGAAGTGATGAAGACAGAGTAGCTACAACATAGGGGCTGGTAGGCAGCAGAGC
CTCACCAACAGCCTTAATTTGTGTGGTGTCTTCACAGGGCAACCCTGGGAACGATGGTCC
CCCAGGTGCGGATGGTCAACCCGGACACAAGGGAGAGCGCGGTTACCCTGANAATATNGG
TCCCGTTGGTGTGCANGGTGCACCTGGGTCTCATGGCCCCGTGGGTCTGCTGGCAAA
CATGGAAACCGTGGTGAACTGTAAGGTTTTGNGAATACCAANCCCTCAGTGCAGCATTN
TCGTGGGCTTCACTTCTGACTTTCCACACTTGGGGATGGNTGGAAGGAGTGGGGGAGG

Sequence 2223

AGGGCGAATTNGGAGCTCCCCGCGGTGGCGGCCCGCGGGAGCCGGGATGCACTGTTCTGTC
TGTGGGTCCTCATCATGGAGACCAAGCGGGTGGAGATTCCCGGCAGCGTCTGGACGATC
TCTGCAGCCGATTTATTTTGCATATTCCAGCGAGGAAAGAGACAATGCAATCCGAGTGT

Table 2

GTTTTAGATTGAACCTGCCCATTGGTTTTACTTGGATTCTACATGCAGAACACACCAG
GATTACCTCAGTGTGGGATAAGAGACTTTGCTAAAGCTGTCTTCAGTCATTGTCCGTTTT
TGCTGCCTCAAGGTGAAGATGTGGAAAAAGTTTTGGATGAATGGAAGGAATATAAAATGG
GAGTACCTGCCCGGGCAGGCCGGTCTAGAACTAGTGGGATCCCCCGGGCTGCAAGGAAT
TCGNTATCAAGCTTATNGGATACCCGGNCGACCCTCGAGGGGGGGGGCCCGGGACCCA

Sequence 2224

CGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTT
TTTCTTATGAATAAGCTTACTTTAATAGATCCAGGGGACTGTTAATGCACTGAAGAATT
ATTTTTCAGGCATTCTGTGATGTCCAAATTAGGTTAATATACCTCTGAGAAGTGAATCAG
TTACTCCTCGTTGGATAGNAAGGTCAGAACAACTGTTCTGAAACCTTANTACACACTAG
CTGATAANACACTGTTGCCATAATGTCTATTTATTGGATCAGCAATTTATAAGTCCCAC
ATTCTCATGCCACATANCTCTACACAGCTGCAAAAATATACCATAGCTTGCAGGTGATCA
TTGNGNTGAGGAAAGATATTGAGTCCCTCATCTTGTGAAAGTGATCTTTNATATAAGAGG
GAGCATCAAGCGGGGAAGCTCAGATTTCCCGTGGCTGACACACCANNAAGTATTTGGGTN
TTGNCATTGGCTGNCTGGNAGCCCNCTGGCAATGGCTTTTCAAAAANAGGNGCTGAGANTGN
GGTTAAACTGGGGGNACCTNTTTTCTGGCCNGGGGCAAAAA

Sequence 2225

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTATATCCTTTTCTCAGGTTTCTCTTTTCCC
TGTCTCTATCAACTCTAACAAATTCAATTTTACCCTTTAAGTCAATGCCTCAAAAGTTCCG
ATTCTAAAATTTATCTATGATTAAAAGCAACACCTCAGTCTGTATGTTTTGTGGTGTG
TCCACCTCAAATTTAGCATGTCTGTAAATCAAATTAATTCATCTTAAAAAACTTAAAA
AAATTTCCATCTTCAAATAATATTACTATTAGAAATCTGGACTCCCTGGAATCTACTCA
CATCCAAGTAGTCATCAAGTATCACTGAGACACTTTAGAGCAGTAGTCCCCAACCTTTTT
GGCCAGGGACTGGTTCTGTGGAAGACAGTTTTTCAATGGACAGGGTCAAGTGGGGGGGA
TGGTTTCAGATGAA

Sequence 2226

CCGGGCAGGTACTCGGNGGCTNNTNTNACTGNTCCGGGAANAGGAAAACNNGNNNTGAN
TTTNNGGNCGAGGNNTANNATGAGAATGGGGGTATCAGGTGCATGAGCCATANTGGGATA
TGGCCAACTCGGGCTGCAAGGACGTCACGGGTCCAGATGAGGAGAGTTTTCTGTACCTCG
GC

Sequence 2227

CTCCCCGCGGTGGCGGCCCGAGGTACACTCTGTGATGTTTCATACGGCAAAATCTCCTGAC
ACATTTCTCAGAACGTATCCTCGTTGATAAGTGATGCGTAACTGTATTCTGAAACGGAAT
GGTAAGGAGGCCAGGTTAATCTTTGAGAAGTGAAGAAGTGGAGAGGAGATGAAATCCCTG
GACTTAATATGGACAAGAGCTGTGGGATAGATAGCTGAGTAGTGAGGAGGTGACTTGGCT
CAAGGGCCCCCAAACAGACCAGGGTGGAGGTGGCCGAAAACCTGTGACAGGGCAGGTGCAG
AGCCTAAAGTGGGGCGCTCACCTTATTGTGGAATATTTGCTGGTACCTGCCCGGGCGGC
CGCCCGGGCAGGTACTTTTTTTTT

Sequence 2228

CCGCGGTGGCGGCCCGCTCTCCACTGCATTTTCAATCTCTAGCAAAGTCTCATGGGGTAA
CAAAGAGACAGTAATATAATAAAAGAGCTTTCACTGACTGCCTGGGAACAAGCACAAACC
TGCATGGCCATCAAAAACCCCCAAAAGCATCCCTCTGGTCTGCAAGCAGGTTGCTGCACT
TCTCCGGTCTCAATGGGTGCATTTGCAGGCAGCTGATTGCTGTCAAATCCAAGGATAGA
ACTGACATTTTTGTCTGCAAAATCTGGCACTTTGAAACTGTATTCATTAGCTTTAAGGAT
GCTATTGACTTGTGGAGGTGTGAGGTAATAATTTCTGTGGTGTGGAAGCATATCTCCTTCC
TTGGGTGTACCT

Sequence 2229

CCGCGGTGGCGGCCCGAGGTACCAGCACTGCAGGACTGGGCAGACAGACGGTGGCTGCTGC
TGCCGCCACCACCACCTCAACAGCAACAGCAGCAGCAGCATCTGAGAAGCAAGTGCG

Table 2

AACACAACCTGTGCTGAATGATCTGATGCCAGACATCGCGGTGGGTGTGTCCACACTGTC
ACTCAAGGACAGGAGGCTTCCAGAGCTTGCTGTAGACACAGAATTAAGCCAGTCAGTTTC
TGAAGCAGGACCAGGGCCTCCCCAGCATCTGCTGTATTCCACAGAGACATACACACAC
TTCTCGGAAAAAACACACACTAGAGCAAAAAACAGACACCAGAGAAAATCCACAGGAATA
TCCGGATTTCATGACTTCTCAAATGCTGCTTGCAAACCTTTCTACTCCTGGTCTTANCA
AGACGCACCCCTTTCCCTTCGCAAGGGTGGGATATTTGGGTCCCCGATCTGTACCTTGC
CCGGCCGGGCCGCTTCTAGAACTAGTNGGATTCCCCCGGGCTNGAAGGAATTNCGATTTC
AAAGCTTATTCGATANCCGNTCNACCTTNGANGGGGGGGCCCCGGTTNCCCAACTTTTG
Sequence 2230

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACTTGNACTTTTT
TTTTTTTTTTTTTTTGTGTCNCCTCCATTGTTTTATTATTTAAGCAGCAGAGAGATCTGC
CTACTGNAGTATGTTTCGTTACAGCTTATATGGTAGAGGGGACACANCCAGATCAGGCAA
ACCCAAGATGAGGCNATGTTGTAAAAATACTCTGAGGAATCCACAGAAATCTAANAGCA
GGAATAACAGCACAGCTGGGCTTCTGCTACCT
Sequence 2231

GGCGAATTGGATTTNACCGCGGTGGCGGCCCGGGGGCCATTGAGACTGCCATGGAAGACT
TGAAAGGTCACGTAGCTGAGACTTNTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAA
AGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGAGTCCGGAGGAGCAGTCTCTTCTGT
CCCGCTGGAACCCATGGTCCACTGAAGTTCTTATGCTACTTTCACTGAGCATCCTATGA
AATACACCACTGAGAAATTCCTTGAAATTTGCAAGGTAGGAGGCATCTTGGGTATTACTC
TCAGATTAGCTTTGTTGCTGGAGCTATGTGCTTCTAGGGACGTGTACCT
Sequence 2232

CCGCGGTGGCGGCCCGAGGTAAGTCTGCTCCCTGCACGATCCAGTCAGCCCCTGCCCGGCTGG
TTATGTAACAAACAAGTCTGTGCTGTGTGGAGTGTGTCANGACGAGTGGAATGACTGT
TTCCAAGTTCATGGCAATTCAGAAGGCCCTTCATCCAGACTGGTTCAGTGCCTCTCCGA
TGGAGAAGTATCTTGAAGGAAGCAACTTCCATAAAAAGGGTCAGAAAGTCTGTTGACCG
ATCACTTCTTTTCT
Sequence 2233

CCGCGGTGGCGGCCCGAGGTACCAGCAAATCCAAAAAATGGAATTTAATAAAAAAGTTCT
TCAAATATTAAGTAACCTAAAACCTCTTTTAAATTTGAAATTTTAGTTTTATTTAAAT
CTACTTCTTAGAGCACCTTTTAGCTGCATTTTCCCCCTACCTCAGTGCGTGAATGCAATA
TATCATTCTTGGTATGTTTTCCGATCATAGACATCTGTTGTTTCTGGATAAAATATCTG
GAAAAACAAAAGAAACAATATTTATTATATGTTTTGCTTCTCACAAGTATTTAACTTCCC
AAATGACCCTATTTTGATTGCTCTGCTATCCTATAATTATTTAAATATAGAGGAACCT
CTCTGCCATTGCTTCATCTTGCTGTAGAGATAGACCAATCACCATATCTGGACCCCTGCC
TGACAGCATGCCTCTTAGTGGTCCACAGGAGGATGGTGGGGTCCCCAGCCAGCTACTCCA
AGGAGGCTGTGTCACAGTGCTAGTGGCAGTGTTTCATT
Sequence 2234

AATTGGAGCTCCACCCGCGGTGGGCGNGCNGAAGTACCCCTCAGGCCTGGTGAGGAGGTC
CTTGGGAAGAACCTAATAAGCAAGGCCAAAGGCCATGGTGGCTGAGGAATGGCCTGCAGG
GGGATGGGGAGTGGGCACATGTGGCAAATGAGGTCTGGGTAAAGACCAGACTGGGAAGGG
ATTTATTTGTCATACCATGGANTCAGACTTTATCTTAAAGGTAACAGGGTTTNTTAATCT
TGGAATTTCAAATGACCTGTGACTCCCCACATNTGCAAATCTCCCCACACACAAATGC
NGATGGTTTCAGTATGTGTGCTTCTNTGGGAAGAAGGTCCACAGCTGTCACTGAGTNCTC
AATTCTTAACCCAATACCTGTCAAGAACCATTGCCACCGCAGGTTTCAAGAAGGA
Sequence 2235

CGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAG
AGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGA
GAATCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGA

Table 2

GTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGT
TCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCCTTAGGATCTACTGGG
GGAGTCCGGAGGAGCAGTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTT
ATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGCA
AGTTGTCTGGGTTTCATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCACAAGAATTCA
Sequence 2236

CCGCGGTGGCGGCCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGC
TGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAA
CAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAAACGA
CTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCAT
CTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCTGGACAATTGTCTGGGTTTCATGTCT
AAGCTTGTTCCAGCTATCCAGAATGCCACAAGAATTCAACTGGATCTGGAAGAGGAAAG
AAACTGATGGTGTTAACTGAACCCATTTTGATTGAGACCTACACAGGGCTGATGTCATT
ATTGGAACCGCAACAACTTGCTATTCCCTTGCCCGTGGGAGTATTGGTTTTGAGAG
TCTTTTTGGTACCTGCCCG

Sequence 2237

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGGCATTCTGAAG
CTGACAGTATTCGGGCCCCGAGATGTCTCGCTCCGTGGCCTTAGCTGTGCTCGCGCTACTC
TCTCTTCTGGCCTGGAGGCTATCCAGCGTACTGAGACCACAGCTTTTGGCCTCCCTTCC
AGCTCTGCAGCTAATGAGGTCTGCCACAACGGAAAGAGGGAGTTAATAAAGCCATTGGA
GCATCCCGAAAAAAGTACCTGCCCG

Sequence 2238

AGCTCCCCGCGGTGGCGGCCCGAGGACAGCCACGGAACTGTGAGCCAATTCAATCCCT
TTTCTTCTTCAATTACCCACTCTCATGTATATCTTTATAGCAGTGTGAGAACAGATTAAT
ACACTCCTCCTCAGAAAGCATTCAATTTAGCTGTGTCTAAAGTATGCCAGGTGTCCTAGG
GTGTTATCTTAGCCAATAATTCTTCTCTTCAGCAAGATCTATTTGCCTATGACAGCTTG
ACCTACAGTTCCTACCACACTTGTCAAGTAACAAGTAGCCATAACATCTGAAGGGACTTC
ATTGAAATCACAGAGGTTCTTTAGTTCTTTACCTCATTAGTAGGCATTAGGGAAGCACAT
CAACTTTCTAATTTAATAAGGTGCCTGTTGCTTTGAAAACTGCTCAAAAAAAGATAGGA
GAGGCTTACTTAAGATATCACTATAGGCGTGGCATGCTGCTTCACACCTGTAATCCTAG
TACCTGCCCG

Sequence 2239

CGCGGTGGCGGCCCGAGGTACCTTGCACATCTCTGCCTGCGCTGCTCACCCACTGTCAAG
AAAGAAAGGTGGAGCCTGGTGCTCTCCCTAAGCACTGTGGGCCTCACAGTTCGGGCGGGA
GCCCCCAGCACCTGGCTCTTCTGCATGGAAAGCTTGGTTTCACTCTTCAGAGGTGGTGG
CAACATCCCCAGAAAACCGGTAGGCGTGGGCACAGTGACTGGAGGCCGAGGGCTCCTCGC
CATAGCAGAAGCA

Sequence 2240

CCGCGGTGGCGGCCCGAGGTACGCGGGGTCCCAGTGAGATAAGCCAGTTACCTCAGTTGG
AAATGCAGAAATCACCCATCTTCTACATCGATCTTGCTGGGAGCTGCAGACCAGAGCTGC
TCCTATTTGGCTATCTTGGAAGCAACCTCAGGTATTTCTTTATTAGCAGTGTGAGAACAG
ACTAATACAGATTACTAAATCCAGAATCCAGAGAACACAAGATTATAAGTTCTTGCCT
TGAGCATGTTCAGTGAGAGCGCTGCAGGGAGAAGGATGATGCATTCTGAGAGCCAACAGG
GCTGGACTGGAACTGGAGGAAGAGAAAGAGCTAAGGAAGGAGAGGAGCAAATTGGGGGT
TGACATGGCTGCACATGGCATAACCTCCTGGGTCCAGTCTAACTCCCAGTGGTCTTACA
CAGATGGAACCTTGTCTAATGCCATTTGGAAGACCTACTACTAGTTTCATTATGGGAC
CAGGGTTGGAGAGGCTCANAATTCATGGGCAGCAGGCCNCAACATTTTTCAGATTTAATC
TGAATATATTGNCCTGGTGTGCCAGANTGACTGGTTCTTCTCTGCGCTCATTAAACC
CCTACAGATAAGGCTTGGGAAGGATTG

Table 2

Sequence 2241

CCGCGGTGGCGGCCGCACAAAAACCAATCTACCTGATGAAAACCTCCGTTCCCTTCTCGCC
AGAAACATAAAATGCGATGGAGCTACGGCCACCGCTGCCGAGACAAAATGGCGCCCCCG
CGTACCTCGGCCGCCGGGCAGGTACTTTTTTTTTTTTTTTTAAATCTTTCAATCTTT
TATTTAAATGCCATGATCCAGGATGGATTTAGATCTTGTTGAAAGCAGCCACATCCATG
GACTGCACATAGTCCTCAAAAGCAGTGATCTGCTCCTCCAGCATATCTGTTCCAACCTTA
TCATCTTCAACTACACACTGTATTTGAAGTTTCTTAATTCCT

Sequence 2242

GGTCTCTCCAGTCTTTGATTGTCCCGCAACAGTATTACAAACAAAAGGCATTAGGCAAAG
CATGCTGAATTGATTGGAGTCCCTTGGTCAAAGGTATTATTGATTGACGGCAATCAGATC
CACTCCCTCANAAAGGATTTGAGTAGGCCTCTTCTGTCCATCTGCAGAAGGTTCCCCAAA
AGGGGCAGAGGACGGGGCCCTGGTGGGAGGGTGCCATGGGAGTTAGGGTGACGCTGAACC
AGGAGTAGCAAGAGGCCTGTGAGGAGTGCAAGGAAGAGGAGGACNCTGAGCTCCATGGTT
CCAGTCTGACTGCCCTGCACCCCCCCCCGCTCCTCGGCCCGCTNTAGAACTAAGTGGATC
CCCCCG

Sequence 2243

CGCGGTGGCGGCCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTG
AGACTTCTGGAGAGACCAATTCAAGGCTTCTGGCTCTTGACAAAGAGACAAGGAGAAGGCC
TTAGGATCTACTGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGT
CCACTGAAGTTCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAAT
TCCTTGAAATTTGCAAGGTAGGAGGCATCTTGGGTATTACTCTCAGATTAGCTTTGTTGC
TGGAGCTATGTGCTTCTAGGGACGTGTACCT

Sequence 2244

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACAAGAACCTGAG
GACATATGGAAGGGATCCCTTCTACACCTCCACTATAAGATCACATATACCCTTTCTCTC
AGATTCTCAGATGTCATCTTAGAGAAGAACGGGAGACGGAGAAGGGAAATACAAGATGGG
GACAGTTACTTAAAAGAGGATGTAAGTGCATTTTTGGATTTAGCTCCACATCTAAAGAA
CTGGGAAGTCATGATTACTGTCTACAACAACAACAGCAACAAAGCTGAACAAACGAAAA
ATCAATGAATTTCTTGGATCCATGAGAGGACTGACATCACAGGAAAACATAGTCAAGGT
CTACTTATGTGAAGCACAAGTACTGGAGCCAGAAGCTGACGGGAATACTTAAATGGTAA
TTTTTAAATGCTGCTGGAACTGAGGTGGGTAGCTTGCAAGTGAGAACTCCTGGGGTC
GAGAGTCTTCGGGGCACCCGAGAGGTTATGAATTTTACAAGAGGGACCAGATTATGAC
TGAAAAACAGCCAAAAAAAAAAAAAAAAAAGTCCTC

Sequence 2245

CCGCGGTGGCGGCCCGAGGTACCAATGCACACTTTTCTTCCAATGTTGTTTCCCCCACA
GGTAATCCTGGCCGTCTTCTGGGGCCACTGACACCGAGGGTGGCTGAGTCAGCACATA
GGAGGTACAGAGACTGTGCAGTGAGAGAGGAGGCCGAGGAGGAGAACGGTCCAGGCCAT
GGCTGAGGCACCACAGTGCTGCTTCTTAGGCCAGACTCCCCGTACCTGAAGGTTTAC
AGCACACTTGTGGATCATATTATAATAATCCAGATTGCCAGGGAATCTAAGGTCAAGAT
AGGCTGAGTAACTCACTCAGGTAATACAACCTGTAAATGGTCATTCTAGAATGAGAATAC
AAATCTGTGTGACTCAAACTTCTCTTTTCACTGTGTCTTGTCTACCTCATTAAAGAA
ATTGCTAGTTAAATTATGAGGATGAGGAGGTCATTTTACATAAGGGAAAGATACAAGTAA
AAGTAAAGTGTTGGGAAAGTAAAGGCACCATGGAGGAGATAGGCAAAGTGCCATTGATA
ATGGGCAA

Sequence 2246

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGGGGGCCATTGAGACTGCCATGGA
AGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCAATTCAAGGCTTCTGGCTCTT
GACAAAGGTAGACCACTGGAACATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGAC
TCTCTTGATCTGCAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCC

Table 2

TCTGAGCACTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGA
CAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGAGTCCGGAGGAGCAGTCTCTTCT
GTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTATGCTACTTTCACTGAGCATCCTAT
GAAATACACCAGTGAGAAATTCCTTGAAATTTGCAAGTTGTCTGGGTTTCATGTCTAAGCT
TGTTCCAGCTATCCAGAATGCCACAAGAATTCAACTGGATCTGGAAGAGGAAAGAACT
GATGGTGTTAACTGAACCCATTTTGATTGANACCTACCAGGGCTGATGTCAATTCATTGGA
AACCCCAACAAACNTGGCTATTCCCTTNCCTTGGGAGNTTTGGTTTTTGAGAGTCTTTT
TGGGACNTTGGCCCTTTAAAT

Sequence 2247

NCCGGGCAGGTACCGCTAAAGCAAAAAAGAAAACCTCTCTAACAGCAGGACCTCTGATCT
GGAGGCATATTGACCATAAATTTACGCCACCCCATGAGAGCTCAAAGGCTGTGCTGTTCT
CGTCTCTCTCAGTCCCCATTTCCAGGTGATCAAGCTTGGGCTTAGGGTAGTGGCAGTGT
GGCTTTAGCTGTCAGCCATCACCATGGAAGAGCAGGAGGTTTAGGGGCCCTTCATAACCTT
TCAAGTGTTGGTTTTCCGTTGGAAAGTAGTTGAATATCTCCACCCCAACCCATGCCCTGAG
AGAAAGCCCGGGAAGAGGGGCCACCATCGGGGCTCAGCACCTGCAAGCCCAATGCTGAC
ATGAAGGCTTCGCTTCATTCCATTCCGCCACGAGAGCTATACTCGCTTCCTAGGGCTCCC
CTAGCCACGCGGGTACCT

Sequence 2248

CCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTGGGTTACAAACTCAAG
GCTGGGGAAAAAAGCAGTCCAGTATTAATTTGGTTAAAAAGAAAACCACTATGGCACCA
AAAATTCAAATAACACACCACGAGAAGGTCTGAAATGTGCCTATACCTAACTCTGTCCGT
CTTCAGCTAAAATGAACACATAACTACTTAACACAAGGTTAATCTCTCCACAAATGAGG
GCACTGTCCATGAAATTCCTATAAGGTTTCTTGAGTTAAAAGGTAGTCTCCTTAAATCA
AATACTTCTATGACACATTAAGCAGACACTGGAAGTTTTACTCAAAGCCACCAAGCGATG
TTTAAACATGGCTTGGTTGTTTTTTCATTGATCCTGTAGGTGTATGTCTGGGATCCTCTAT
TACTACATTGCTTTTAAAGGAAATCTTTAAATTTCAATACTTGGAATTTGAGAAGGNCCT
TCATGGGGATTTAATAATCAAACCTTACCGTTAAATTTTATTTTCCATTATTCTTCCCTTG
CTTGGGCTTTTTCAAATTTCCAACAGGNGGACTTTNTATTAAGGCTCNAATTAACATT
TGGTTTAAAGGGCACTGNCANGGCTNACTTTTGGCNTTTTGGGAAAAA

Sequence 2249

CCGGGCAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCC
ACCTTTTCAGTGAACCTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTG
GTCTTTGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGC
TAGTGTGTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGG
AACATCCAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGA
GAAGAGTGAGACAGATCAACCATTACCCAGGAGTGGCACAGACCCAGGGGAATCCCCCT
ACAANAAAATGGTGAGTGAGTGAGAGTCCCGTGGGATGCATATTTCTGCCACGAACCTTT

Sequence 2250

CGCCCGGGCAGGTACGCGGGGAGTGCGCAAGATGCACAGGAACAGAATAGCAAACCTCACA
TGATTGTTGGCAAGGAAAACCTGGCTACGTGGCTGATGTTAAATTTGCTTTTTAAGACAG
CCAGATCAAGAAATGTCTGAAGACTTTGAGACTGCAGCAGGGAGATGATTTTGCAGTTAG
TAAACACAGCCCTGGGAAGCCATGGCAAGGCAGTTCTGGGTTGTGGTTTTTGCAGTGAA
TGTAACCTAGACTCATCTTCACGGGCTTGTGTTGCCCCAGGTACCT

Sequence 2251

CCGCGGTGGCGGCCGAGGTACCGGTGCCCATCACCAACGCCACCCTGGACCAGATCACTG
GCAAGTGGTTTTATATCGCATCGGCCTTTGAAACGAGGAGTACGCGGGGGCAGTATAGG
AGCTGAAACAAAGCAGAGCATCACCTTGCTTGACCTCAGCTGGGGACATGTGCATCAGAT
GATTCAAATTTATTTATTTATTTATTTTGGAGAAGGAGTCTCACTCTGCTGCCAGGC

Table 2

TGGAGTGCAGTGGCGCGATCTCGGCTCGCTGCAACCTCTGCCTCCTGGGTTCAAGCGATT
CTCCTGCCTCAGGCTCCTGAGTAGCTGGGACTACAGTTTGAACAGCTGGAAATAGCTCCA
ATGGATTGCTATGTTGATTTTCTAAACTGGAAGAAAATCTATGACCTACATTAAATGAA
ATTGAGATACCAAAGATTCTTGGTGTAAAGAAAAAAACCCTG

Sequence 2252

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACATTACTGAATA
AGCTCTGGAGATAACTCAATTATGCCAGAAGCTGGTCAAATTTTAAAATAAAAAATAAACCC
CTAAAGGAACATACAAATTTGGCAAGGGAAAAAACCTAATGTTTCGATTGGAATCAATTC
TTTGATAGACTACTGAGCTGTAGGATTAGAGGTAATTTATTATATAGAGATATTAGGATT
GGCTCTTCTGTAAAAAGCTAATTTACTGACAACAGATTTGAATCAAAGTAAGGGATTTCAT
AGGTAAACTATGAAC.TTTCTCCCTAATGCTTCATTCCCTGTGGGTAATTAATGAAAGA
GAAACTTTGCTTGAGTGTTTCTGGGCATCTTGTCTCCTACAACAGGTGTCAAATTTCTCC
AGGTGAATGCTTACCGGTAAGGGATTGGATAAGGAATGTTGCGGTGAGGATCGTGCAACT
GGTGGAACACTTCTGCCAGGGCTGGTTCTTGGCGCGCTTCCCCCANCAAACCTGGCCAACA
GGGAAAAACCGATATGAATAATTCAAACAGTACCTN

Sequence 2253

CCGCGGTGGCGGCCCGCCCGGGCAGGTACAATTTATCAAACCTGCCCCGAGACCTGATAAC
CAAATCCAGCCTCCAGGGAAACATGTATTCATATCTTGCTCACACATCAGACATAGTTAA
CAACTGCATGCTAAGCATAGCAATTAATTCAGCTGTGTTTCAACAGGTCCCATTGGATT
TCTTTCCAGAGAGGACAATTAGTAAACCACAAAACTCACGGGGTGTGACCAACAGCGAG
ATGCC.TTTGCCGAAGTTGAGTGCATACCCGGAATTTGAGTTCACAGTGCGTTCTCCCTA
AACAAAAAACCCCTTGCAGTAGCCACCATGTCCCTTCTCCTATGATTCTATTAAAGCTA
ATGTCTGAAAACCAATCACACAGCAGTCACACAGACTGTGGGTATCCATGGGCCCTTGA
TGGTGTAAATAAGCTTCCCTCTTCCATGAGACCATTGCTGACAAAAGTCACCACTCCCC
ACAGTGATGTGGGTGATCAATATTGAAGATCTGCCATCTGAGGGAGGGG

Sequence 2254

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCGTCCAGGATCTCCAGG
TCATAGCCATCAGCCAGACACCAAGTTGACGCTTGTCTCCTTAGTCTTCCCGGATTGCCTT
TTGGAATCATATATGCTGACTCTGCCAACCTAGGAATCCAGAACGCAACGGGAGAAAGAT
GGAAACCTTTCAGGAATAAGATTCTGAAGCAGGGACTCAAGACTCATAGGAGAGAGGAAG
TGTGGGGTCTATGATCTTCCCTGTATTTAGGGTTCTGTTTGGCTAAGACTGAGCACCCCT
CTANACATACTAACTCCACCTCGATTCAAGATTAATTCCAGACTAAGAGAAGAAAAGCCC
TTGGCATCCAAAAGGAAAGAAAGTTTAAAGTTCTTGGGAGACCAACCAATGTTGGTGCTG
GGCCACTGTGGGCAATGTTGCTTGTGGGCTACCACTGTGGGCAATGTTCCCTTGCCCA
CAGTGACCTGCCGGGCGCGGCTCTAGAACTAAGTGGATCCCCGGGCTTGCANGGA
ATTC

Sequence 2255

CGCCCNNGGCAGGTACCNGATGAGGCCACATGTGCTTAGCATGGAAGTGAGGCGAATTGAT
GCAGCAGGCAGGCTTTCTGTGGCCTCTGAAGGGCCGTGGTGTGAAGGAGGGATTAGTTA
TACTCCTTGTGGCTTTAGAAACCAGAAGTGGGGTCCATGGGTGGGCTTGTGTAGAAGAG
GAATTCAGCTCAGGATAAAATAGGCTTTTCTAGCAGTTGGTAGCAGCTCAACAAGCAATG
CGCTGCCCTCAGAGCTGGGAACATATGAGGATTATTTAGAAGGATTTGTGCCTCAGATT
TAGGCTCGCCCACTATTATTTTGTGGTAAGTCTGAGTCTACAATCATGTTGAGATAGC
CATGTGTTCTTCCCTGTAACCTCTTAATATATGATTTAAGCTGTTCTGAAAGCTGTTGG
CATTGAACTCCATGTTTATCGAGTCGACTTCAAATATTTGAAAGGTGTTGGTAATGGTTG
TTATTTGCCCAAGAAGCCCTGAATCCATCTGCTGGGTACCTCNGCCCG

Sequence 2256

AGGTACCAAAAAGACTCTCAAAAACCAATACTCCACGGGCAAGGGAATAGCCAAGTTTG
TTGCGGTTTCCAATGAATGACATCAGCCCTGTGTAGGTCTCAATCAAATGGGTTCAATT

Table 2

AACACCATCAGTTTCTTCTCTCCAGATCCAGTTGAATTCTTGTGGGCATTCTGGATA
GCTGGAACAAGCTTAGACATGAGCCCAGACAACTTGCAAATTTCAAGGAATTTCTCACTG
GTGTATTTTCATAGGATGCTCAGTGAAAGTAGCATAAGGAACTTCAGTGGACCATGGGTTCC
CAGCGGGACAGAAGAGACTGCTCCTCCGGACTCCCCAAGTAGATCCTAAGGCCTTCTCC
TTGTCTCTTGTCCAGGGACATCCCAGGGAAGGTGAACTTGCCAGGCAGATGCNATAGAC
AAGCGCTCAGAGGAATCCCGCTGCAGCTGCACACAACCTCANCATGATGAAGTCGATTTTG
CAGATCAAGAGAATCTTGTCTGTGACCAGTAGAATTTCTCTTCTCATTGGTTCCAAG
TGGTCTATCTTTGTCAAAGAGCCNAGAAGCCTTGAATGGTCTCTCCAGAAGTCTCAACTT
CCGTGACCTTCAAGTCTTTCCATGGCAGTTTAAATGGCCCCCGCCCCGATCTAGAACTAG
TG

Sequence 2257

GGCGAATTGGNCTCCNCGCTGTGGCNGCCGAGTACCAGGNTGGAAAGTGGTATGTGTCTA
ATTGCAGGGGGCGGGGGTAGGGGGGAGGCCAAAGGATTAACACTCTTTAAATAGACATCAG
AAAATAANAATANCCTTGCTGCCTGGTAATNGATGGGCATTCTGACTACGGGCCACAC
ACTCAGNAGGTGCTCGATAAACATGGGTGAAATACAGGAATNAACAAATACTGAAATGG
GTCATTGGGTGAGCACTTAGCCAGTAAAAATCTGNGCTTTGTNATAAAAAAGAACTTTGG
ACTGAGGGTTATATGAGTCTTCTGCANGCTGGGANACCTCTGTTNCCTTTACTTCTCTA
CTTTTGTGTTGNCTTGAGACCAGCTT

Sequence 2258

NGGGACACAACTTTTTCTTAGTCTGTATACTTTCTGCTGTCACTAGCATAACAGAAA
AGACGAATGGCTTTTGTGTTTAACTGAGGGCACTTTTACAAAAGTCATCTTTCCATTTAT
TTTTCTTTTCAGAAAAAGAATTTGGGTTTTGAGCTTTTTTAAAAAAGACAAACAC
TTTCTTGACTTTGAGAAATAATTTAAGTCAAGGAATCTGCTCTATGCTANCCAAGANAT
AGAGCACAGCAAAGATCTGCCAGCCCCAGGCCTCTACCTAGTGGTCTGGAAATCAAAGA

Sequence 2259

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGCCCCGGGAGAGAACTAGGCGCTAGGACA
GCTCCAGGTGCGACTCCCCGCGTACTGACTCAACTGCACTGACCATGTTGTCATAATTAG
AATAAAGAAGAAGTGGTCGGAATGCACATT

Sequence 2260

CGGCCCCGCGGGCAGGTACCATTATTATCCCCACTTCAGAAATGAAGAACTGAGCCTC
AGAGAGGGGAATTCATTGGCTTGAAGTCAGCACAGCTGGCAAGTCTGTAACCAAAACCTA
AGCCTGCAACTTCTGCTGTTCACTGCTGCCTCCACAGCAAAGGGACTTCAGCTACACCA
CTCAACATCTTGTGTGACCAGCCATAGGGCAAATATGGCCATCCCGATATACACACACTG
TCCTCAGTGCACCTTCAGGATGCCTTCCAATTTAAGGAGCTCTGCAGGGCCTGGGGGATCT
AGCTGCCATTTCCAAGGCTGGCAGGGCAGAGCAGAGGTGGAGCCTGGAAGGAGCCCCTT
GGTTGTAGCCTCTTGCAAGTGCACCTGGCCACCTGAGGCACCTAAGGGCCTN

Sequence 2261

ANGTACGCGGGGGCAGTGGGAAGCTCNCAGCAGCTGGGGAGGAGCCAAAGCCTCGNGCT
CACCTAAGCCGNAGGGAGGTNACCCCACTGGGAGATGGGGAAACAGCAACCCATAGAGG
AGAATAACCCACACAGGATCATTTTNTGAAGGANCAAGGNTGAAGAACCAGACCTGGAC
TTTCTTAGGACAACTTACTGCAGCTTGAAGGAGCCAACCATGGATTTGAGGCNTGTGAA
GGAATATTTCTCCTGGCTCTACTATCAATACCAATCATTAGCTGNTGCGCTGTTTTAGA
GCCCTGGGAGCGATCTATGTTTAAACACCATCTTACTAACCATTATTGCTATGGTGGTAT
ACACTGCCATTGTCTTTATTCCAATCCACCATTCGCCCTGGCTTGGGAATTTTTCTCAA
AAATATGTGGATATTACANTACCTGCCCGGGCGGCCGCTCTAGAACTAGNGGATNCCC
CCGGGCTGCAAGGGAAATTCATTATCAAGCTTATCNGATTCCCGTNCGACCNCNAGGGG
GGGG

Sequence 2262

Table 2

AGGTACACTCTGTGATGTTTCATACGGCAAAATCTCCTGACACATTCTCAGAACGTATCC
TCGTTGATAAGTGATGCGTAACTGTATTCTGAACGGAATGGTAAGGAGGCCAGGTTAAT
CTTTCAGAAGTGAGAAAGTGGAGAGGAGATGAAATCCCTGGACTTAATATGGACAAGAGC
TGTGGGATAGATAGCTGAGTAGTGAGGAGGTGACTTGGCTCGAGGGCCCCCAAACAGACC
AGGGTGGAGGTGGCCGAAAACCTGTGACAGGGCAGGTGCAGAGCCTAAAGTGGGACGCTCA
CCCTTATTGNGGAATATTTGCTGGTACCTGCCCGGGCGGCCNGCCGGGCAGGTACCTTCG
GTGAACCAAAACATTTNTGGCATATTAATTTGAAGTGTCAAATGCATGCCCTTTCTTTG
ATNTATGATCTAATAAGCCCTTTTCTATCTCTAATTTCAAANGATTTTGNAAATCCCCA
AATTANTTTCCCTTTTGTGGGTGNGAAGAATTTTTTTCTTTTCTTCCTCTTAAACTTTC
CCTNAANNTNAAATAAAGGTTTTNATTAAANTAAAAATNCCANNNGGGATTTNNNTTTAA
AAANNAAAAAACCTTGGGNAACCNNTCCCTTTTTTTT

Sequence 2263

CCGCGGTGGCGGCCGCGCCGGGCAGGTACTTCTTTTTTTTTTTTTTTTTTCTTCAGC
CCTGCAAGGCGGGAATGCNCTGCACTGCTGCTTATCACTGCANGGCGGNAATGCACTGCN
CTGCTGCTTATCACTGGACATNTACCATCCTGTGCTTGTCTGTTAATCCTAACAGCC
CCTGCAANAAGNCCTTTATTTAAGTCTNTACATTTGACTCATCTGGGGTAATTCTGCTCC
CTTCTGGGACCCTGACCACTTAACCGNTAAATCTAAAATGGGGGTGTTGTCTCATGAAA
AAGCANATTTGACAATACCAGGTCCATATTTGCACATCAAAACAATGACCTAGAGCAGGA
AACAATTGCNTCCTTAAAGCCACTGCTTTNTCAGAGGNGGTAATTGACAGGGAATCTTG
TTAAAATGAATATTC

Sequence 2264

AGGTACTCTTACCCCCAGTGTGGACGGAACAGAATCTGGCTACACGGTGGCCAGTGATGG
ACTGCTGGGAAATCTGCTGGCCTGTGGTCTGAGTTCCCCTACTTGCTCAGGCTGCCCTC
ACTCCCAGTGTGCCAGGGAGGCTTAGTCCGGGGAGCATCAGAGCAGAAGACATTCGGGGC
TCATGGCTCCCATCCCCACTGGCCTGTATCTTCAGCACCCCTCTGGCCACCACCAGCTTG
GCTCTAACTGCAGACTTTGTTCTTGGTGAATTGCTGTAGAACTGGGAATGAGGTGTGCC
TGGGCACAGGGGCACTGCCCCACCAAGGTGGTGGCCACTCCACTGCTGGGAAAACGAAGT
TACCTAGCGGAGCCTGGAGCCCCTGGGTGGTCACTAATTTAGCACAGGCAGTGCACTG
TTTGTGCTTTTTTTTGG

Sequence 2265

CCGGGCAGGTACTCACTTCAGCCTGGCAAAAGAGTAAGACCCTGTCTCAAAAAAGAAAA
AAAAATTGGTCATGTCTCAGACCAATTAATCACAATGTTCAATGGTGGGATCTAGACAT
CAGAGTCTTTTTTTAAGCTCCCCAGGTGATGCTGATGTTAGCCAGTTTGAGAAGCAC
TGATCAGCACTTTCCAACTTTAATGTGCACACAGATCACCTGGGGATATTGTTAACCTG
GAGATCCCTATACAGTGGATCTGTGGAGAGGCCTAGAGGTCTGCATTTCTTATAAGCTCT
AAGGCGATGCANAAGCTGCTTGTGGGTGGACCACTTTGAGTCCAAGAGCTACATCAGCCC
TCCCCTCTGTTCTCTGATTCATTCTCTTGGGCTCTCAAGGCTGCGGGTGGGCCACAAAGC
TGCAGCTGTGTGAGAGGAGCTTCAAGCCGAGTCATTGCTGCTTCATGTCACAGG

Sequence 2266

CCGGGCAGGTACAACAAACGCTCCAGGAAATGGAAAGCCAGTTGGCAGCCACATGTGGT
TACCTCACACCAGTCAAAAGTGACAGTGGAGAGGTGAGTTTTCACTGACATTCATTAAAG
TAAACATTACTGTTTTTACCCACCAGCTCCACCAGATTTCAAAGTCTTAACATTAGGA
TTTATTATTTGGGGGGGGCCTCATTGATTTTTGGTTGAGCTAGTAATTCTGTACCT

Sequence 2267

CCGGGCAGGTACAACTTAGCTGCCATAGAGAGCTAGCTGGCATCCCTAACCTGCAGCC
ACTGTAGCTCTATTCATGCCCATAGTCCTGTCCAGGTTCCCTGGCTTACCCATTACTTC
ATAAGCACCAACATGCAAGTGGGGGTGCCTTCATCCAGCACCAATGCCATTAATGCCTT
GGATCCAGAGCCATAGTCCCTCTGCTCATGCTCATACTTCAAGACTTGGCTCTATGGCT
GCTTACATGCCACTCATCAGACACCTGTACCT

Table 2

Sequence 2268

ACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTNGGNTTGAGCTCCACCTTTTCAG
TGAAGTCTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTTGATT
ACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGTGTGC
C

Sequence 2269

CCGGGCAGGTACGCGGGAAGGAAAATCACACGGGCTGAGAGTCGCTGGCAGCACAGCTTG
AAATGCTTCTCAGATATTAAGCCTGCTTGCTTTCCAGGTGGGATACACTCGCTTTCTCT
TTTGACAGTAATGCATGTTTCCCCATTAGACAAACCTGTTTACTACATTCATCAAGAAA
CCCAATGATGCTGCCTCTTCTGCTTTGCAAATTATCTTTTACACGCGTGACTCCCCTTC
TTAGGCAGATGGTTTACCAAGTGCTACTTATTTGGTTTGGCTTTTACTATTTTTGAGG
ATGACGTCATTAATCTATTGCTGGAATCTGGGAGAGCTGCTGTTTTAAAGACTTACTGGG
AGCTGCCACGCTCTCGAGCAGATAAATGTGGGAAGAGCCCTCCGNGGAGGAANCGGAANA
ATTTTTTTTTNGCGNGGANCCCCGTTTTTGGTTTTCCCCGGGGGAAAAAANTTCCCCCCCC
CCCCCNGGGGGGGGGNNCCCCCNGAGNAANNAANAACCCCCCGNGNGGGGGGGGGGGG
GCCTTTTTTTTTNGGNGGAAAAAACCNNCNTTAANAAAAAANNAGGNGNGNNGGTTTTT
TTTTTTNAAANANAAANANCNNNAACAANGGGGGNGGGGCCNNCNCNNNTTNTTGANGNGG
GGGGGGGGGGGGGGGGGG

Sequence 2270

CCGGGCAGGTACAGCCCACGGAAGTGTGAGCCAATTCAATCCCTTTTCTTTTCAATTAC
CCACTCTCATGTATATCTTTATAGCAGTGTGAGAACAGATTAATACACTCCTCCTCAGAA
AGCATTCAATTTAGCTGTGTCTAAAGTATGCCAGGTGTCCTAGGGTGTTATCTTAGCCAA
TAATTCTTCTCTTCAGCAAGATCTATTTGCCTATGACAGCTTGACCTACAGTTCCTACC
ATACTTGTGAGTAACAAGTAGCCCATACATCTGAAGGGACTTCATTGAAATCACAGAGG
TTCTTTAGTTCTTTACCTCATTAGTAGGCATTAGGGAAGCACATCAACTTTCTAATTTAA
TAAGGTGCCTGTTGCTTTGAAAACTGCTCAAAAAAAGATAGGAGAGGCTTACTTAAAGA
TATCACTATAGGCGTGGCATGCTGCTTACACCTGTAATCCTAGTACCT

Sequence 2271

AGGTACGCGGGATATTTATTAATGCGAATTGAGAGCTTGTTGCTATCCCCAAAGACA
TCATAGTCAAGTGAAGGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG
AAAGTAGGGGGAAGCAGAGGGTGAAAAGAAGGGCCTGGAGGGAGCCCTAAACCCCTCCTTG
CAGAAGAGGTGAAATGGAACATTCCCTCAGCTGCCTTTGGAAGGATCAATATGACACTGA
GAGCAGCTTGGTGAGAGTTTGAGAATGCATAGCGAGTTTGGGGAATTTAAAGAGCTTAG
TATGGCTGAAGTTTAAAGGACAAGTGGGAGATTGTGAAAAAAAAAAAAAAAAAAAAANAA
AAANGTACCTGCCCCGGCGGCCGNTCTAAACTAGTG

Sequence 2272

AGGTACACGTGGTCTTTTTCAATTCTAAGGGAAGTCAGAGTTCACAGAATTAATTTAATG
GTAACATAAAAGAGGCAATTAAGTATGTTGCTTTGTCAAAGTACCGAAGAATAACAAAT
CCAAGTTTTCCAGATTTGGAAGCCAGAAGATAAAACCCAATGTAGGAAGAATAGAAAAAA
ATGAATAAAAGAACAAAAGAAAAAGGAAGCAGCAGTTACAACAAAGCAGAAAAAACATG
GAGGTGCACCAAGTAGAGAATGGGAGGGAGGAAAGGGCTGATAGCTACTTTCAAAATATG
CAATAACTTCAGAGAATACCCGCGTACCAGCAGAAGCCAGGCCAGGCCCTATATTGGTA
ATATATAA

Sequence 2273

AGGTACTTAAGTGTCCCCAAAGTGTGGTCCCTGGGCCACTAGCATCAGCATCACCTGGAA
ACTTGTGAGAAATGCAAATCTTGGAGCTTACCCCTGATATATTGTAGCAGAAGCTCTAG
GTCCACCAATCTGCATTTTAAAGAGCCTCTCCAGCCAGGCATGGTGGCTCACGCCTATA
ATCCAGCACTCTGGGAGGCCGAGGCAGGCAGATCACCTGAGGTGCAGAGTGGGCATTGC
TTTCCAGATGGATAAAAAAGCAAAGGCTAAATGTAAACATAAATGAGGAGGATCTTATTT

Table 2

GCACAGCCACTTTCTGTTTCGTCATTGGCCACGATTTTCAGCAGCAATCACAGCCGCTGGT
TATTTTCGCTGTGGAGTGGGAGTGGAGATTGCTAGTACCTGCCCG

Sequence 2274

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTC AAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGCAAG
TTGTCTGGGTTTCATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCACAAGAATCAACT
GGATCTGGAAGAGGAAAGAACTGATGGTGTTAACTGAACCCATTTTGGATTGAGACCTA
CACAGGGGCTGATGTCAATTTCAATTTGGAAACCCGCAACAAAACCTGGCTATTTCCCTTT
GCCCCGTGGGGAAGTATTNNGTTTTTTGAAGAAGTCTTTTTTTTGGTACCTCGGCCNC
TTCTAAGAACTAANTGGGAATCCCCCGGGCCTGCAAGGAAATTCGGATATTCAAGGC
TTTATTCGAANACCNGTCCGACCCTCNGAAGGGGGGGGGCCCC

Sequence 2275

CCGGGCAGGTACTTGAAAAATGGACAAGGATTGTGAAATGAAACGCACCACACTGGACA
GCCCTTTGGGGAAGCTGGAGCTGTCTGGTTGTGAGCAGGGTCTGCACGAAATAAGCTCC
TGGGCAAGGGGACGTCTGCAGCTGAGTAAATGATGAGCCACGTGATCCTGTATACCGCAC
ATGCTGAAGCAACCGAGGAGTATATGTGATAACGGCATGTTTTCCATTGATGGCAGGTA
ACGCATAGCCTTACCCCCACAACCGCAACCACGAGTCCGTCTCTCAAAACAGCGTGCTGC
GACGGCTCCTGCATTTGCAGCTTCCCTGTGTGTGCCCAGGAGCTCTCCACCTCCGATGA
ACCCAGGGCCGTTCCCTTCATACCCTTTCATTAGTAGCTCTAAGATGTTTGATTAAGGTG
TACCT

Sequence 2276

AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCACCTTT
TCAGTGAACCTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTT
GATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGT
GTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACATC
CAGGTGGACACATAAGGATTCTCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAG
TGAGACAGATCAACCATTACCCAGGAGTGGCAGACACCCAGGGGAATCCCCCTCAAGAA
AATGAAGCCAAGGAACACCATCTGAAGTTCTGACGGCAACATCAGAAGCTAAGAGAAAGG
CATGGAAAAGATTCTCACCTAGAGCATCCAGAGGGAGAGGTTGGTCTGCAGACACCTTG
TTTTCTGACCTCTGACCTCCGCAACTGTGAGGGGAAGAAATTTCTGTTGCTTAAAGACAC
ACAGCTTGTTGGGTACCTGCCCGG

Sequence 2277

AGGTACCTCAGTCTAGTATTGTCTGTTTGTCTAAAATTGGTTCTAAGGAATCTAGGCTAG
TCTGTCTATCCCTTTCAACTTTTGTGAGGCTGCACAAATGTAAAATGTTGAATAAAAAGC
ATTGATGGAAGTGTGTAGAAATCTTCTGTTTGTCTGTTGTAATTTTAGTTGCAGTGCA
GCCTGGAGAGCAGCTTCTTAGTCCAGAAAGAAGGACAAATACCCCAAAAGCCATCAGCGA
GGAGGAGGAGGAAGTAGATCCAAACACACAGAGTAAGTCTCAGGACCCATTTTTTTCTTA
CATGTTGTTCTCCAGGACTTAAAAATCATTACAGAGACGTGCACCGCGGTGAGTGTGG
ACTCCTGGAAGCGCACCGTAGCTCCGCTGTGTCTGCTGCTCCTCCCTAGCTGTCAGGGA
GGCTGTAGTCCATTGCTTTGCCAGCTCTTTTGTTCGAGTGAACACCTTATCCGTACCT
GCCCCGGCGGC

Sequence 2278

AGGTACCTCAGTCTAGTATTGTCTGTTTGTCTAAAATTGGTTCTAAGGAATCTAGGCTAG
TCTGTCTATCCCTTTCAACTTTTGTGAGGCTGCACAAATGTAAAATGTTGAATAAAAAGC

Table 2

ATTGATGGAAGTGTGTAGAAATCTTCTGTTTGTCTGTTGTAATTTAGTTGCAGTGCA
GCCTGGAGAGCAGCTTCTTAGTCCAGAAAGAAGGACAAATACCCCAAAGCCATCAGCGA
GGAGGAGGAGGAAGTAGATCCAAACACACAGAGTAAGTCTCAGGACCCATTTTTTCTTA
CATGTTGTTCTCCAGGACTTAAAAATCATTACAGAGACGTGCACCGCGGTGAGTGTGG
ACTCCTGGAAGCGCACCGTAGCTCCGCTGTGTCTGCTGCTCCTCCCTAGCTGTCAGGGA
GGCTGTAAGTTCATTGCTTTGCCAGCTCTTTTGTTCAGTGAACACCTTATCCGTACC
TGCCCG

Sequence 2279

TCCTACAACCAAGAACCTACCCATAGAACTGAAGCAGGAAGCTGTGTCCATGCTCCTGAC
ATGAGAAAGTCTTGCCAATGGGGAAAGACAGGGGAAACAGAGACTAGCTCAAGTCACAG
GGTGAGTGTGAACAACCTACCCAGGGAGGACATAAGTGCCAGGTTCTCCAGAGTCACATC
ACGGTACCTGCCCG

Sequence 2280

CCGGGCAGGTACAACCTGTCCTTGCTACCCTCAGACTAATAAAAAATCCCAAACCTAAGT
GCCTTATTCACACCTCAAACCTGCAGTTTACCCAAGGAGAGGAAGCCAGCCCATCCTCCAT
GGGTCCCACAACTACCCACTGCTCCTCAGCAGACAACAAACCCCTAATTGGCCAAAAG
TAAAGATCTTCCATCCTGGGCTGGCTGCACTGAGTAATTGCTGACCTACATCTCTCTGAG
ATGCAGCCCCCAGAAGACAAGCAAAGAGATAATGCAGCAAGCCAGCTCATGTGGTGGCCA
GAGGGTTTGGTGCAAGAGCATCTGTAGTAAAGTGTGGCCAGTGATGGCCATTTCTCTAGG
CTCAACTGTCTCCATAAGAGACTTTAGCCCTACGGGAACTGTTGGGCCAATTTCTGCA
GGATGGTCTTGCAAATCAGAAGAAGCTGGTCCAACCTGAGCACTCCTTGGTCTGCTGGCCT
CTCCAGGGACCCAGTCTGGCCACAGCTGCTTACAGGGCACTCTTAGATGCCACACTAT
AGCTGCCGTGCTAGTGGACTGTACCTCG

Sequence 2281

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACCTGAGCATCCTATGAAATACACCACTGAGAAATTCCTTGAAATTTGCAAG
TTGTCTGGGTTTATGTCTAAGCTTGTTCAGCTATCCAGAATGCCACAAGAATTCAACT
GGATCTGGAAGANGAAAGAACTGATGGTGTAACTGAACCCATTTTGATTGAGACCTAC
ACAGGGCTGATGTCATTATTGGAAACCGCAACAACTTGGCTATTTCTTTGCCCGTGG
GGAGTATTTGGTTTTTTGAAGAAGTCTTTTTTTGGGTACCCTCGGCCGCTTCTAANAAC
AAGNGGGATCCCCCGGGCTTGCAGGAAATTCGATNATTAAAGCTTTATCCGATACCCGN
CACCTCGAAGGGGGGGG

Sequence 2282

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACCTGAGCATCCTATGAAATACACCACTGAGAAATTCCTTGAAATTTGCAAG
TTGTCTGGGTTTATGTCTAAGCTTGTTCAGCTATCCAGAATGCCTACAAGAATTCGACT
GGATCTGGAAGAGGAAAGAACTGATGGTGTAACTGAACCCATTTTGATTGAGACCTAC
CACAGGGCTGATGTCATTATTGGAAACCGCAACAACTTGGCTATTTCCCTTTGCCCC
GGTGGGAAGTATTGGTTTTTTGGAGAAGTCTTTTTTGGTACCCTGCCCG

Table 2

Sequence 2283

AGGTACGCGGGGAGGTGGATTGAGAGATACCTCCCTCCTTCTGCTCAGCTGCCTTGCA
GTAATTAAACTCTTTCTGCTGCAACACCCCTACTGTTCTCCGTGTAITGGTTTTCTG
GGCAGCAGGAAGGAAAAGCTGATGCGATGCTCTCAGTGCCGCGTCGCCAAATACTGTAGT
GCTAAGTGTGAGAAAAAGCTTGGCCAGACCACAAGCGGGAATGCAAATGCCTTAAAAGC
TGCAAACCCAGATATCCTCCAGACTCCGTTGACTTCTTGGCAGAGTTGTCTTCAAACCTT
ATGGATGGAGCACCTTCAGAATCAGAGAAGCTTTACTCATTTTATGATCTGGAGTCAAAT
ATTAACAACTGACTGAAGATAAGAAAGAGGGCCTCAGGCAACTCGTAATGACATTTTCA
ACATTTTCATGAGAGAAAGAAATACNNGGATGCCTCTCAACTGCCACCTGCCTTTTGACTT
TTTG

Sequence 2284

AGGGAGTCGACCCACGCGTCCGCCGTGTTGGCCGTGCTGTAGTAAAGGAACTAGATCCAG
GAGGGTCACCAAAGTCACGTAGAGGCCCTTGGTAGTCCAAAGAAGGGTAGTCTGACAACTG
AGCATCACGACTTTGCGGGCCGCGTTCTGAGGGAGCATCTCGCAGGACGCTGTAAAGGAG
GGAGCGAGTAACAGTAGGGTTGATGGAAGTACCTGCGGTCTTAGAGATGGGGTGAGTGG
GAATGGCACAGGAAAAAGACACATGGTCATGGGCACTGTCAAATTGGAGGCATCTTGGTT
TTCTTTCTTCCCTGTGCGGGACAAAATGCTGTTGGGGGGACAAAAGAAAAAAGAGACAA
CAAAGACACAAAGAACAGCACATTACATTGAAATGACACTCTAAAACAAATAATAAAACA
CCAGATACATTCCACATAAGATGCAATTGCCACGCCA

Sequence 2285

TAGGGAGTCGACCCACGCGTCCGCCACCTCACATGTTGATTTCCAGGTCACTACAGGAGC
GGAAGAGAGCAGGCTTCTTCCCGTGGAAGAATTCCCGTGGCCCCACCCACTTCCCC
CAGTGCGTACGTCAGGCTCCAGTTCACTGTGGGATGCCAGACAAGCCCTGGGCAGGTTT
CCTCATCGACCCAAAAGCATCTAATGTAAACATTCTTGGGACGCTTGGAGATTCTCCAGG
GACCCCATTTTATCTGCCTAAGCATTGGCTGTCTCATGTTAAGGTATCATCCAGCCCTC
GTGGCTTGTGATGGCCATTTCTGGTTGCGTGAGCATTAGTCATCTGTCTCTGATTGTG
GCATGCCATGGTCTCTTGCAAGGGCTTTGTTACAAGGTATCTGCATTAAAGATAGCCCAG
TCATCGAGCGTTGCGAACAGCCCCACCCAATCGGGCCTGGCCAGGAGATTTATCACTGT
GATCTTAAGTTCTTTACCAGAGCCCTTATTAGAACAAGTTAGATGCAACCGGGGCACGGT
GGCTCATGCCTGTAATCCCAAGCACTTTGGGANGGTGAGGCAAGCGGATCACGAGGTCAG
GAGTTCAAAGACCAGCCTGGCCAACATAATGAAACCCCCGTCAGTCTAAAAACACACAA
AAAAAATTAGCTTGATATTGGTGGGGGGGGCGAACTGGCAGTCCCAGGCTTCNTTAAGGA
NNCCTTGAAGGCANGANAATCCNCTTGGAAACCTGGGAAGGCGGGAGGTTTGCCATTGA
NNCTTAAAAACACCCCTTTTNCNCTCCAACCTTTGGGAACAAGGGCNAANNAATTTNC
GTTTTAAAAA

Sequence 2286

TGGTCGCGGCCGAGGTACTTGCGCTTACTTTGTAGCCTTCATCAGGGTTTGCTGAAGATG
GCGGTATATANGCTGAGCAAGAGGTGGTGAGGTTGATCGGGGTTTATCGATTACAGAACA
GGCTCCTCTAGAGGGATATGAAGCACCCGCCAGGTCTTTGAGTTTTAAGCTGTGGCTCG
TANTGTTCTGGCGAGCAGTTTTTGTGATTTAACTGTTGAGGTTTAAGGCTAAGCATAG
TGGGGGTATNTAAATCCCAGNTTGGGGTCTTANCTATNTGTGTGTTTCAGAATATGTTAA
AAAGCCCACTTTTTGAAAANTCTNATTTTTGNGGTCCAACCTGGGAGTTTTTTTANCA
AACTCCAAGGTNGAAATTTNTAACCNTTTANTTGGGGGGGANGGGGGGTTGGANTCTT
AAAAACAACCTCTTTTAACCCCCCGGNCCTTTTANTTTNAACTTTGGGGGNTTNAAT
TCNNGNGTTGACCCCGCCGGGTTGGGTTTNGGCAACNAAAAATTTGACCCCAACCCCCC
TGGGGGGNTTAANTATTAGCCNTAAAATTTAAAAACNTTCTTTTNTATTGGATNAAAAAN
GGGTNAANTNAANTTNTGGTTTTTCCCCCTGNGGGGGTTNNNGGNTTNNGGNTTNAANC
CTTTTTTTGAGCTTNCNATTNGNTTAGCCAGNCTTTGAANGCCTTNNCCCCCTCTCTTT
TTTTTTTTTTTTTTTTCCCCCTCCCCNTTTTTNCCCCCCCCNTTTTTCCCCCCCC

Table 2

CNTTTTTTTTTTINCTCTTCCCCCTTTTCCCCCCCCCCCCCNNTTTTTTTTTTTT
CCCCCCCCCTTTTTTTTTTINCCCCCCCCCNNTTTTCTTCCTT

Sequence 2287

AAAAAATGAATCATTAAATTTCTAACTAAGTACTCTGTCTATGCCTGCCTTTTACATCT
ACGAATATTAGCTCCCAGAAGCTACATACACTTACAAAAATGGTGAAATCTTACTAAATA
TAATTTAGAATTATCATGGCCATTTAACAACACTACACTTTAAGATGTACATTTAAAAAT
GGAGGCTCCTGGCTGGGCATGGTAGTTACACCTCTAATTTCAATGCTTTTGGAGGCCAA
AGCAAGAGGATCACTTGAGGCCAGGACTGGGGCAACATAGCAAGACCCCTTCTCTACAAA
AAAATTATCTCTACTTGGGGAGGCTGAGGCANAAAGGATCACTTGGNGCCCAGGAGNTCA
ANGATTACNAGNGGNGGCTANTGAATCATTGCCANCTTGNANCTCCAANCCTNGGGGTAA
ACAAGAANTTAAAGACCCTTTNTTTTTNAAAAAAAAAAAAACCTTAAAAATTA

Sequence 2288

CCGGGCAGGTACTTCCAAATTTTCATCTTCCCTGGGATGCTTTTCCCCTTTCCTTAAACA
GATGTATATGCCCATCCCTGTGACCAGTGTGATGGAACCCAAGCTTATTACAGACAGAGC
TACTAAGNGGGCATAACAGACACAGATTCTACCTTCCTATGAGTCGGTCTATTGAGAT
TTGTGGTCTTTCTCCTCTATATTAATCTCTGGNTCTTTTCTTAAAGACTCTCAATGNA
ACTCTCATTACTGACAGTGTCTTGACAAATAGGTTACCATGACTGTGGAGTGGAGAGG
CTCGGGATAACCATGATCACTCACTTTCACCAAGTAAGCGATGGAGCCCATAACTGTGNTG
CAGCAATGCCTCTTCCAAAGTAATGTTTGCCAGTTTA

Sequence 2289

CCGCGGTGGCGGCCGAGGTACGCGGGGAATAACAGCGGTGGGAGTGAAATCAAGGAGAA
GGTGGAACAAGTGAGGCTTAAAAAGAGCCCCAAGGAGGATGGGAAGAAGAAATGCCAGATG
GAGGAAATAGAAATACACAGCACAGTCAAAAGAGGAGAGGTGGCAAGAATGGCAGGGCAT
GTGCTGCCAGGGAAGGGTTGGTTGAGGCCTGCACTCAAGACCTTGGCAAAGCAACCAGA
GCCAGAAAGAACCATGAGAGAAGCTTTCAATGACTTTTCAGACACTTTGTCTCCTTTTTT
ACCTTCTCCTCTCCTGCTTTTTTCCCCATCTCCAAGTATATTTGGGATGGTGGATGCC
ATTGCCACACAAAAACACTTGGGATTCATTCTCTGATACC

Sequence 2290

CGCGGTGGCGGCCGAGGTACAAAACAAATTCAAAGGGTTAAGAATTTCAAGTTGGTAGCT
TCAGAGCATTAAAGCCCCAAATGTGGGGTCCCTTCTGAGCCCAGGATTATGTGTGACTGCA
CTGGTCACATTGCCATGAAGCCAGCCCTGGTGGTTGGTAGAGGGTGGGCACTGGACCTA
AGCGGGGCCAATCAGAGCCATTCTTGAAATGGATATATAAATATTAGGAATGCAAAGTT
ATTTATTTTGTTAGAGTTTGAACAACGTGATCTGTAAAAAACCAAGTCACATTTNCTTAAG
GATGCATCAATAAATATNGAGCTNAAATGTAATAATTAGAACTTTTNGGTTTCNCAAGCC
AGATTTCCATGCTTCTAAATTNCNCTGGGATAGGTNGAATATAAATAAAGAATGGATTNT
TCTCCCANTGAAATAAAGTTTACCTTTTTANCATTTGNCCNAAAGGGGACCAGGATGTTA
AATAAAGGCNTACCTTAAATCAAGTTTGAACCTTAAAAAATAAAGGG

Sequence 2291

CCGGGCAGGTACCACAAGCTGTGTGTCTTAAAGCAACAGAAATTTCTTCCCTCACAGTTG
CGGAGGTCAGAGGTACAGAAAACAGGTGTCTGCAGGACCAACCTCTCCTCTGGATGCTCT
AGGTGAGAATCTTTTCCATGCCCTTCTCTTAGCTTCTGATGTTGCCGTCAGAACTTCAGA
TGGTGTTCCTTGGCTTCATTTTCTGTAGGGGGATTCCCCTGGGTCTGTGCCACTCCTGG
GTGAATGGTTGATCTGTCTCACTCTTCTCCGTGATCCGAAGGTCACACTATGTCACTGAT
GAATCCTTATGTGTCCACCTGGATGTTCCGGTTGAAGAGCTNNTGTCTCACCCTCTTTC
TGCTATTTGTGAGAAGTGGCACACACTANCCGCTTTTAGNTCAACCATCTTGGCCCCAC
CTNACTCACTTTTNTCAAGTTATTCAAAAAGACCAGAAAAGGGATGTNCTTTACAAGAGC
AGATCCCCCAAAATGTAANGAGTTCACCTGAAAAGGTNNGGAGCTTAAACCCAAAGAG
AAGGACCTTATTNTCNCNGNCANTAAAGACAACTTTGTTCCCTCGGCCCGCTTCTAGA
ACTANGTGGATCCCCCGGGCCTGGCANG

Table 2

Sequence 2292

CCGGGCAGGTACACGATCCTGTATTGCCACCCCTTCTCTATTGCTTTGTCCCCGCGCGCC
CTCTGTTTTGCCTAAATGGGTTCCAGGCCATAGCCACCGACTCTCGCTTTGCCCTTCTGGC
CTCTCGGCAGTGCGCTTCANCACCATTCGCCAGGTGACGCTGCTGANAACAGCTGANTG
GCCGGCACTAGTGACGCTGGAAGCCAAGGCCANAATTCTCAGGAATNTGCACTNTACCC
AGGCGAAAAGCCCA

Sequence 2293

AGGTACTCTATACCCAGGCAAAGGCAAGCAAGCAGCCTTGAACAAGTCATTCAACTCATT
GAAGCTGATGTATCCATTGCCATCAGTATCAACTTTGGCAAAGCTTCTCTGAGCTCCAT
CATTTCCCATCGGACACTGATCCTCTGGTCATTTTTTATTGCTTTAGGTAACAGATCTC
AGCAGCACGAAAAGCTCTGTCTAGATGCATTCTCCTCACTGGCCCCAGGCAGATGCCCCC
GCGTACATGTTATTCACTTGGGTCTCCCATGCTTCAAAAACACCTAACGCTGTTAACATT
GAGAAGAGGATTGAGAGGAGCAGAATACAAAGGTATTTATTAAAGGTAATTATAATAGCC
GTAGAAATAACAGGCCAGAGAACTGAAAAGTGATTGAATAATGAGAATAAAAACAAAGGG
AAGAGGGTTGAGTGTGGCAGTACCTGCCGGGCGGNCGCTCTAGNACTAGTGGATCCCC
CGGG

Sequence 2294

AGGTACATAGCCCCAGAAGGGCGGACTGGCCGGAGTCCAGGGATGGCAGCCAACGCCCCCA
TAACAGAGATCAGCATTGACTACAAGAAGAGGCAAGGAGAAATCAAGGATCAAATTTTA
AGTAAAAGAAAAGCCAAGTCATTAAAAATAGCCCCCTCATTGAAGAGTGGGAACGTAGGT
GTGATGTTCTGGCATAAGGAGTGAAAAAGAAAAGCTCTATTACTTGAAGCTTTTCACCA
GGGGCAGAGAGAATGGCCGGAAGTGAGAAACNGTGTGTGTGGATGCTTACACCCGATGCC
GTCTCCTAATATTGGAACATGGCTCCAGAAAGGGAGAACCAATTATTCCTAATTCCACGG
GCGGCATTCTTNTTGACTCCCAAACTNCCAAAGTGGAAGGGCAGGGAGCTTNCCCCCTT
ACCCCTTGAGGAAAAGCTCAGAGTTGTTNTGGGTAAAACTTTNCCGGGGGGTGCCGACAT
AAGGGATTGCTTTTTTCAGAAGCTCCCTTGACAATTGGGTACCTGCCCGGGCGCGGGCC
CGTTTCGAAACATTTTGAGNCAAAAAGGGCCNAGNCAAAAANGGCCATNGTAAACCGT
NAAAAAANGGCCCGCCGTTTGCTTGCCG

Sequence 2295

CCGGGCAGGTACGCGGGGGTGTCAAAGCACTGAATACATAAAACCCGTGTGAATCTCAA
CTTTCAITTTACTTTTTACTTTCCCCTGCTGGTGCCCAAGACCACCGTGGAAGGAATGGCT
AAAGGATAAGGTGGAGGAGACAAGTGAGTTATAATGGGGCTTGTTACCCCCAGAGAATT
TTCCAAGTGAATGGAATCATTCTTCAAAGAAAATGTGCGATTCTTGGGATAAGANCTG
GAACTTCCAAGCCAAGCCTGATGACCTGCTCATTGCTTCTTACCCCAAAGCAGGNAACCA
CTTGACACAGGAAATTGTAGATCTGATACAAAATGATGGCGATATTGANAAAAGCAGGC
GCGCTTNCATTCAACTTTCAACACCCCTTCTCTGGGAGTGGATAAGAATGAACACACTGTG
GGATTGACCAGGCTAACCACAATGCCCTTTCCCAANGGACCCAGAAAAACCTCATCTTT
CCTTGATCCCTNNGCCCCGCTCTANAACCTAGTGGNATNCCCCGGGCTTGCAAGGAATC
NAATATTCAAAGCTTTATTGATACCGTCTACCTCGNNGGGGGGGGCC

Sequence 2296

AGGTACACGGACCGCACGGAGAAGCTGAGGCCTGAGATGGAGGGGCCCGGCAGCTTCACC
ATCTTCGCCCCTAGCAACGAGGCCTGGGCCTCCTTGCCAGCTGTGAGATGACCTCCGTCT
GCCCCGGGGACTCTTATGGGGAAGTGCCTTACTTCCCCGAGGGGTGGGCATGATGAATGG
GAGTCTGCAGTCATTTCTTACTGTTTCAGGAAGCTTTCTCCTTAACCCCTTAGAAAAGGC
TGTGGAACCTTGAGCTAAAATATGTCTTACCAGGTTGCGTCTAATGCCCCCGTTCCCTAC
TGGGCAGAAAGACTTGGGTGCTTCTGAGGAGGG

Sequence 2297

CCGCGGTGGCGGCCGCCGGGCGAGGTACGCGGGGGCTGTAGGCTCAGGAGGCAGAGCTCT
GAATGTCTACCATGGCCTGGATCCCTCTCCTGCTCCCCCTCCTATTCTCTGCACAGTC

Table 2

TCTGTGGCCTCCTATGAGCTGACACAGCCATCCTCAGTGTGAGTGTCTCCGGGAGAGACA
GCCAGGATCACCTACTCAGGAAATGTACCTCGGCCGCCCGGGCAGGTACTTCACTGCGGA
CTTGACTTCTTGAGCAAGAAGGCTGGCACTGTTCAATTAAGAGAATCACAGAGATGAATCT
CACAAATGCAGGAAACTAGGTCTAATGTCCAGCAAACATGAACATCTGAACTGAGAACC
GGCTTTCCGAGGACTGCCCATTCTCCTCCACGTGGATGGTGGGAATCACGTTGATTTGAGC
AGCTGTTTCTGATGATGAAATACTTCACA

Sequence 2298

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTGAAATTTGCAAG
TTGTCTGGGTTTCATGTCTAAGCTTGTCCAGCTATCCAGAATGCCACAAGAATTCAACT
GGATCTGGAAGAGGAAAGAACTGATGGTGTTAACTGAACCCATTTTGATTGAGACCTAC
ACAGGGCTGATGTCATTATTGGAACCGCAAACAAAACCTTGGCTATTCCCTT

Sequence 2299

CCGCGGTGGCGGCCCGCCCGGGCAGGTACCATATCAGTGGAGAGCTGCAGCAAGGTGGCCC
CTAGAGCCACGCACCCAGCCCCGACATTGCCTCTCCATACGGCAGCCCTTTATTTGAAAC
TTCCTAAATCACTTTGCTGTGTGTGTTACACGGGTGGGTTTGTCTTACTTGCCCTGAG
AGCACACGGGAGTGACGACACACCCCAACCCACATCAACTGCCATTAAGAAAAGAAAT
TTCAGCCCAGAAATTCATGTCCAGCAAAATTAAGCATCATAAGTGAAGGAGAAATAAGAT
CCTTTTCAGACAAGCAAGTGCTGAGGGAATTTGGTATCACCAGATCTACCTTACGAGAGC
TCCTGAAGGAAGCACTAAATATGGAAGAAAAGATCATCACCTGCTACTACAAAAACACA
CTGAAGTACCTCGGCCGAGGTACTTTNATTTCTTTNTTTTTTTTTTTTTNNNGGNNTTNG
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AGGTCAATTTTNTGTTTGTNGAGCCGANNACACANNCTTGCAAAAAACCNCTGTTNTGANG
GTGTCCCGGGGGGAGGGNNGGNAGCCCGANCTTCTTGGGGANTAATCANCCNTGCNTNGG
GGANNGGCCNCCCTNGTTNAGGGATTTCANGGCCANANTNCCCCTNGCAAAAAANTNTTTT
NAAAAANTTCANACCTNCCTTTTTTGGGGNNGGGGCCNCNTATGNGTTTTTGGAGNAAAAA
AACCCCGGGGGGGCCCCCAACCCNGGNTTTTTTAAAAAACNNCCCNNTTTTTTTCCN
CCCTGNNGGGGGGGGNG

Sequence 2300

CCGGGCAGGTACCCAGACTGAGTTACAGCATGTCTACAAGGCATGACAACTTACCTGT
TTACATTTATGTTAGTTCTTCAAGGGTAGAGGCTACATCTTCCTTGGCTCAGTGTCCCTA
GCAGTAAACATTGTACCT

Sequence 2301

CACCGCGGTGGCGGCCCGCCCGGGCAGGTACAAAGGAATATGACGTGCTTTTCTCCAGAAT
CTGAGGGTCAAAAAGTCCAGTGACTCAGGATACATTACAGAGGAGTGTAGCATAAAGAT
GATTGGTTATCCATCTAAAAGAGACGGGAAAAAGTGCCCTTAGTCCCTCTCTGTCTTCC
AGGGAAAACCCAGTGTGTGTGATGGAGAGAAGAAAAGTGCTCTTTTCTTCCATTCT
TATATCGCTGAGTCTGGCGACTCTGTGTACCTCGA

Sequence 2302

TTGGAGCTCCCCGCGGTGGCGGCCGNTAAACATGTGNCACTGGGCAGGCGGTGCCTNTAA
TACTGGTGATGCTAGAGGTGATGTNTTGGNAAACANGCGGGGNAAGATTTGCCGANTTC
CTTTTACTTTTTTAACCTTTACTTATGANCATGCCTGTNNTGGGTNGACACGTGAGGGTA
ATAATGACCCGCGTACCTGCCNGNCGGNCNCGNGCNGGTACNNCTGGANTCACTACT
NGGGGNGGCCGNNCTCTGCNACANANGANNGCTTTTTNNNGGNTGAATTGAAAATGGAN

Table 2

NTTATGAATACCGGTGNGCTGGANNNGNNNCCCGACACAGNTCNNATGCTTGTTCTTG
NNGAAAAATANATNTCNATCCTGAAATTATGGTTNATTCANATTNAGNCCTCACATTGT
CAATNGGCTTTTAANAGCCANAAACAGGGTCTGGGGAATTT

Sequence 2303

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCCAAACAAGTTTTCTATTTTATTTT
ATGCTTACAGATACTCAAATATTAACAATTTAATTAATCACCAGCTATTAATCATGAA
AACATCATGAACACACACTACCGGTGTGGATCTCCACAGTGCTGAGTTTTAGATGACAT
TCCCTACACCCCTTCTCTATGAAGAGTTTACAAAAGACGTCTTAGAAGGTAAATCTA
GCCTATGAAATATTTTAAGCAAAAGACAGAAAGAAGTCTCAAATGTATGTGGTGTATGTG
GGGTGTGTGTGTGTGTGAGAGAGAGAGAGAAAGAGAGAGGGAAAGAAAGACACAGAGACA
GAGACAGACAGACACTACAGTCATGTCAATTTTACCCGAGCATAACCCAGGCATCCTGGT
GGGTACCTGCCCCG

Sequence 2304

TGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTTGACATCTCTGCCTGCGCTGCTCACCC
ACTGTCAAGAAAGAAAGGTAGAGCCTGGTGCTCTCCCTAAGCACTGTGGGCCTCACAGTT
CGGGCGGGAGCCCCCAGCACCTGGCTCTTCTGATGGAAAGCTTGGTTTCACTCTTCAGA
GGTGGTGGCAACATCCCCAGAAAACCGGTAGGCGTGGGCACAGTGGCTGGAGGCCGAGGG
CTCCTCGCCATAGCAGAAGCA

Sequence 2305

AGGTACCTATNTTATAAGTCCCTCCGGTCTGCTTCTGATTTTTGCTTATTCAGTGCACC
CATAGACACAATTTATACCATGAAGGTGCCTAATGCTTTTCTGATTCTACTTCTGCNCAG
AGCAAGGACATGAGTGCAGTGATGGTNTAAGGGCCAACAAGTTGAGAGGCTGTAAGCCCA
GCTCTCCTCCATCCTGCTACTGACATCAGAGCCTNTACTAGATCTGAGAGTGCCATGCAC
CANGACCTACTGTAATCGTGAAACCAATGATCCATATGACCCTAAAGTTATTGTATACTG
GTGTTCAATGATCAGTGCGATTGGGTCTTTTAAATTTTTCTTTCAATTTTATTTCAT
TCAGCAAATACTAAGCTCCCACTATGCACATAAGAGATGTTCAATCANTGTTANATGAAG
G

Sequence 2306

CGAGGTACAATGTTTGCTGCTAGGGACACTGAGCCAAGGAAGATGTAGCCTCTACCCTTG
AAGAACTAACATAAATGTAAACAGGTAAGTTGTCTATGCCTTGTAGGACATGCTGTAACCT
AGTCTGGGGTACCTGCCCCG

Sequence 2307

TGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTTGACATCTCTGCCTGCGCTGCTCACCC
ACTGTCAAGAAAGAAAGGTAGAGCCTGGTGCTCTCCCTAAGCACTGTGGGCCTCACAGTT
CGGGCGGGAGCCCCCAGCACCTGGCTCTTCTGCTGGAAAGCTTGGTTTCACTCTTCAGAG
GTGGTGGCAACATCCCCAGAAAACCGGTAGGCGTGGGCACAGTGGCTGGAGGCCGAGGGC
TCCTCGCCATAGCAGAAGCA

Sequence 2308

CGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAG
ACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAAT
GAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAATACGACTTC
ATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGC
CTGGGCAAGTTTACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGG
ATCTACTGGGGGAGTCCGGAGGAGCAGTCTTCTGTCCCGCTGGAACCCATGGTCCACT
GAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTT
GAAATTTGCAAGTTGTCTGGGTTTCTGTCTAAGCTTGTTCAGCTATCCAGAATGCCAC
AAGAATTCAACTGGATCTGGAAGAGGAAAGAACTGATGGTGTAACTGAA

Sequence 2309

ATTGGAGCTCCACCCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGTGGCGTCACGCCCTC

Table 2

CCAGTGTGCAAATAAGGGGCTGCTGTTTCNACGACACCGTCGTGGGGGTCCCCTGGTGCT
TNTATCCTAATACCATCGACGTCCTTCAAGAAAAAGGAGTGTGAAATTTTAGAACCTTTT
TGCAGGGGATCTGCCTGCATTCTGACGCCGGTGCCGNCCCCAACCACNGTGATTAATCC
CCAGANGCTCGGGTTGCCACTTCACCNACACCTCAANAACACGCTTTTTGAAGTTGTGC
CTTTGGCTTAAACACAGATTGACTGGTTCTGACTTTGACTACTCAAAAATTGGCCTAAA
ATTA AAAAGAGATCGATCCAAANNAAANAANNNTNNNNANNNTTTTTTCCCCCCCCGGG
NNNNGGNGGGGNCCCCNCCCTTTTTTNNCCNCCACTTTTCAAAAAAANTNTTGGN
NNNA AAAAGGGGCNCCCTTTTTTNGGGGNGGGGNAAAAAANNTTTTTTTTTTTT
TNNNNNTTCCCNNGNNTTGTTTTNNGGNGTTTTCCCTNAAAAAATTTGGTTNNNNCC
NTTNA AANNNNNNAAAAANCCCTTTTTTNCAAAAATGTNTTTTTTTNGGGGNTT
CCCCNAAANTTTNNNCCCNANNGGGGNTTTTTCCCCNAAGGGGGGATTTTTCCCCC
CCNGGGGGNNAAAAAAATTTTTTNAAGANCCNCGGGGGGCTTTTNA AANATNNGG
TCCCCCGGGCGGGGGGNAATTTTTTTNANNTTTTTNNCCCCCCCCCCCCCCCCG

Sequence 2310

GGAGCTCCCCGCGGTGGCGGCCGAGGTACGAAGATAACCAAATCTGCTACTGGCACATTA
GACTCAAGTATGGTCAGCGTATTCACCTGAGTTTTTTAGATTTTGACCTTGAAGATGACC
CAGGTTGCTTGGCTGATTATGTTGAAATATATGACAGTTGATGATGTCCATGGCTTTGT
GGGAAGATACTGTGGAGATGCGCTTCAGATGACATCATCAGTACCTGCCCCGGCGGCCG
CCGGGCAGGTACCCGCTGGGCAGGCCCTCACCAGCACCTCTGTTTTCCAGAAACAGCAG
TTGCCACTCCAATGGGCACAGGCAGTGTGGTTGGTGATGCCATCCCCAAGGGCAGGGTGG
GTCCCATTCAGCCACATGGGAGCGCCTGTCTGGCATCGGTGCACCTGGACACAGGTCTCC
GACATCCTTACTCCTCCTCCCCTACAAAGCGGTACCT

Sequence 2311

CGCCCCGGGCAGGTACGCGGGGAGACACACACCAGCCCAGCCAGAAGCAAGTCCCAGCCCC
CAGCCCTCCCCTGGCCTACCTTTTGGGGCCCTTCTCTGAACCAGGCTCCCCTGTCTGCA
ACTCTGTCATTACAGGGATGATCCAGGCTCTGGCTGGATTCTTTACCTACTTTGTAATC
CTGGCTGANAATGGTTTTAGGCCTGTTGATCTGCTGGGCATCCGCCTCCACTGGGAAGAT
AAATACTTGAATGACCTGGAGGACAGCTACGGACAGCAGTGGACCTATGAGCAACGAAAA
GTTGTGGAGTTCACATGCCAAACGGCCCTTTTTTGTACCATCGTGGTTGTGCAGTGGGCG
GATCTCATCATCTNCAAGACTCGCCGCAACTCACTTTTCCAGCAGGGCATGAGGTGAACA
TNTCACAAAAAAGCCCCAGCACTNTCCCAAGCCCCACACACCAGGACATGCCATTTCCC
CCTGCCTTTTCTCTCCTCCCCGCCACACCCATGAATGTTTCTTCCAGAAACAAAGTC
TTAATATT

Sequence 2312

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATTTTGAACCTCCCAATTTCCACCCACAG
AGCTTGGTGCTAGCTCTGCACACGGTAGATATAAGCAAGAACTTAGGCCGAAGTGAATTG
AATGACCCATTCTTACCAGATAATTCTGTTCTTGACAGGGGTATTTGCGATCTGGGTTCTG
CCTCAAGGCTGACGGAATCAATACATTAGCAAGTGTATCCTCAGTCACGTCTCCATTGA
GAGGGGGCTCCAGGGCGTTGGCATCCTGAGGCTGCACAGGGGGCCCAATGGCGGCAGCCC
CTGCACCCTGCACAGCTGCATTTTCATGCCCCCTCCCTCTGGGGTCAGCTGGTGTGGCT
TATGTGAAACTGCAGCTGAATCACAATGCACCTTCTGCATNCTCAGGTAAAAGAATCACTA
TTAGGCATCTTCAATAACTTTTTGCTTTTGTCTCCAGTGGCTTAAGGTGGTCACCAGCCT
TCATTAAGAACATTTTTAGTATTCGCTTAAGGCNGGCCGGTTTTANAACATAATNGGAATC
CCCCGGGGCTTGCAANGGAATTC AATATTNAAGCCTTATTGAATACCGNCCGAACCCTCN
ANGGGGGGGGC

Sequence 2313

CGAGGTACCCGCGTGGCTAGGGGAGCCCTAGGAAGCGAGTATAGCTCTCGTGGCCGAATG
GAATGAAGCGAAGCCTTCATGTCAGCATTGGGCTTGCAAGTGCTGAGCCCCGATGGTGG
CCCCTCTTCCGGCTTCTCTCAGGGGCATGGGTGGGGTGGAGATATTCAACTACTTCCA

Table 2

ACGGAAACCAACACTTGAAAGGTTATGAAGGCCCTAAACCTCCTGCTCTTCCATGGTGA
TGGCTGACAGCTAAAGCCACACTGCCACTACCCTAAGCCCAAGCTTGATCACCTGGAAAT
GGGGAAGTGAAGAGGACGAGAACAGCACAGCCTTTGAGCTCTCATGGGGTGGCGTAAATT
TATGGTCAATATGCCCTCCAGATCAAAGGTCCTGCTGTTAGAGAGTTTTCTTTTTTGCTT
TANTGGTACCTGCCCCG

Sequence 2314

TGGAGCTCCACCGCGGTGGCGGNCGAGGTACGCGGGGACCTCATTATTCTACCGGTCT
CTAGTAGTGCAGCTTCGGCTGGTGTATCGGTGTCTTCTCCGCTGCCGCCCCCGCAAG
GCTTCGCCGTCATCGAGGCCATTTCCAGCGACTTGTGCGACGCTTTTCTACATACTTCGT
TCCCCGCCAACC GCAACCATGACGCCATGTGCGGTTATTGAGTGACCGAGACCGCGGC
CGCCCGGGCAGGTACTCAAGTCACTTAATGAGGAAGCTGTGAAGAAAGACAACCTCTGTCC
ATTGGGAGCGCCCTCAGAAACCAAGGCACCAAGTGGGGCATTTTTACGAACCCCAAGGCTC
CCTCTGCTGAGGTGGAGATGACATCCTATGTGCTCCTCGCTTATCTCACGGCCCAGCCAG
CCCCAACCTCGGAGGACCTGACCTCTGCAACCAACATCGTGAAGTGGATCACGAAGCAGC
AGAATGCCCAGGGCGGTTTCT

Sequence 2315

CGCCCGGGCAGGTACTCATGGCAGAACCAGCCCCTCTGGGGACAGGGTCTAAGTTTAGAA
GGAACACCAAGGAGAGCGGTTAATTGACATTCCTCAAATGCTGCTTCACACACCCAAAA
CAATTTTCATCTGGAATAATGGGTGGAAGGAACGAAGGGGTTGGTCTGAGGCTATCCAGAG
GGATGAGGGAGGAGCACAGCGCAGGCTCATGGCCAGAAGAAGAGACGTTCCACGGGGT
AGGAGAGGGTTCTCACTTTCCCTCAGTACCT

Sequence 2316

AGGACAGCCCACGGAAGTGTGAGCCAATTCAATCCCTTTTCTTTTCAATTACCCACTCT
CATGTATATCTTTATAGCAGTGTGAGAACAGATTAATACACTCCTCCTCAGAAAGCATTC
AATTTAGCTGTGTCTAAAGTATGCCAGGTGTCTAGGGTGTATCTTAGTCAATAATTCT
TCCTCTTCAGCAAGATCTATTTGCCTATGACAGCTTGACCTACAGTTCCTACCATACTTG
TCAGTAACAAGTAGCCCATACATCTGAAGGGACTTCATTGAAATCACAGAGGTTCTTTA
GTTCTTTACCTCATTAGTAGGCATTAGGGAAGCACATCAACTTT

Sequence 2317

CCGGGCAGGTACGCTCTCCAAGTGGCCAATACAAATCCCTTGTATCCGTCTTCCGGGCTG
CAGGGCTCCCTCAGGCAGAGGCTATGACCTGCAGATAGGCCACACCATTCTTGGACTGGT
CCTGTAGAGCAGGGTTCCCAATCCCTGTTACTGCTTCATGGCCTGTTGAGAAGTGGGCC
ACACAGCAGGAGGGACTTCAGTACCT

Sequence 2318

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCCTGGAACCCATGGTCCACTGAAGTTCCT

Sequence 2319

GAAGGCACGGGGGCTGCGGGCCGGCGCGAGTTCAGAGGCTTCTTTTCCGCGGACGGAGA
CACTGTACCT

Sequence 2320

CCGGGCAGGTACCCAGACACCCTGATAAGGACTTCTGACCTACATAACTATGAGCTAATA
ACGTGTGTTGTTTTAAGCTGCTAAACTCATGATAATTTCTTTTGCAGCAATAGAAAAAA
AAGTGACAATCCTCTAGAAGAAGGGTGACCTATAGCCCATAGAGCCCTGTTATTACAAG
AAACCATGGTCTTTCCACAGTGGTAAGGAGATGAACCATGGGGTCAAAAAGCTACACTTT
ATGCATCATTTCCGAAGGGCAGAAATCAGGAAGGATAAATGCTAAAAGTATACAAGCTT

Table 2

CTTCTGGAATTCATGGTTTTTCATCCTTGAAGGAGTGCTCCATGAAGACTG

Sequence 2321

AATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAAGTTGTCTTTATGCTGCCA
GATAAGTCCTCTCTTGGTTTGAGTTCACCTTTTCAGTGAAGCTTACATTTTGGGGGA
TCTGCTCTTGTAAGGACATCCTTTCTGGTCTTTGATTACTTGAGAAAAGTGAGTGAGGT
GGGGCCAAGATGGTTGACTAGAACAGCTAGTGTGTGCCACTCTCACAAATAGCAGAAAAG
AGTGGTGAGACACTAGCTCTTCAACCGGAACATCCAGGTGGACACATAAGGATTCATCAG
TGACATAGTGTGACCTTCGGATCACGGAGAAGAGTGAGACAGATCAGCCATTCACCCAGG
AGTGGCACAGACCCAGGGGAATCCCCCTACAAGAAAATGGTGAGTGAGTGAGAGTCCCGT
GGGATGCATATTTCTGCCACGAACCTTTGAATCCCTGGGCTCAGGAGATACCCAGCTGG
GGTCTCCAGACCAAAACAGAGAGCCATGTGGAGTCTGGGTAGAGCTGCTTCTTAGGTAGG
TGTGGAGTCCCANTANCATTTGTTCCCTGGGTACCTNNGCCGTTCTA

Sequence 2322

TGCTTCTGCTATGGCGAGGAGCCCTCGGCCTCCAGCCACTGTGCCCACGCCTACCGGTTT
TCTGGGGATGTTGCCACACCTCTGAAGAGTGAAACCAAGCTTTCCATGCAGGAAGAGCC
AGGTGCTGGGGGCTCCCGCCGAAGTGTGAGGCCACAGTGCTTAGGGAGAGCACCAGGC
TCTACCTTTCTTTCTTGACAGTGGGCGANCAGCGCAGGCAGAGATGTGCAAGGTACCT

Sequence 2323

AGGTACTTTATNTTTTTNTTTTTNTNANAATATTNTTTTTNTTTNTTNAGGGGNAT
NNNTNTTTTTANAGNGGCNCGCNCGGNCATTTNCNATTNTGCNANNATNNNTNTTTNTA
AAANTTTGGGANAATTNAANTTTAGTTTCTGATTTCACACNNTTAGGNTTTTAGTTGTCC
NGAAAAGCNGGNCCTTACACTCACAGTTTGNAGTGTCTGCATGGCANC GGCTGCAGGGA
ACCANAGAATGGNTCCNATGTGGCCTGGGACCCGCAGCAATTGCGCTCATGATTTTGGC
CTTTCTGCTNCTGCTATTGGTACCTCGGCCGAGGTACAGTGGCCCCCGTGAAAGACANA
ATTGNGGTTTTCTGGGGTCAACNCCCTCCCANTGTGCAAATAAGGGCTGCTGTTTCAACG
ACACCGTTCGTGGGGTCCCCTGGTGCTTCTATCCTAATACCATCNACGTCCCTCCAGAN
ANGAAGTGTGAATTTAGACACTTCTGCAGGG

Sequence 2324

GATCTCAACCATTTCCATGGTTTTACTTACTATCTATATATTAATAGTTATATATTAAC
TTGTATCTCTTACCCAGATCTCATTTCTGTCTGTTNAATTACCTACTCAGCCNTTGGTT
TGACTACCTAATGGCAAACAATCTCCCTTCACCCAGTCTNTTTATTCAGTAAATGGA
GCCAATGTTTTTGGCTCAGGCTAACCCCANAGTAGGACACATNTTGCATTNTTGCCTTT
CCCTCACACACAATATCCAATCCAATGGTAGATTCTTTCAGGATCGAGCGGCCCGCCGGG
CAGGTACCTGGCTGGGGAGGCCAGGCTGACGGTGGTGCCAGTGTCTGAGGAGGAGGTGAG
GGAGGCCCTGGTGCGTAGTGGCTACAAGGTCCGGGACCTCCGCACCTATATCATGCCTGC
CCACCTTNAAAACAGGCGTANATGAATGTCAAGGGCGTTTTTTTCGCCTGGGCTCAAAAA
NGTTTGGGCTGTGAGGGCTGTACCTTCGGCCGCTNTAAAACTAANTGGGATCCCCCNG
GCTGCAGNGAATTCNANT

Sequence 2325

AAAGAATTGTTTAATCAGCCGTGAATTGGGGACTTCAAACATTTTAACCATATGCTGCCA
GATTGTTTCATATAAAATTTCTTNTNTNTCCAGAAACCGGCGAGAGTTTGGCAAGCNA
GTTCTGTTCTCCGATGTGTGTAGGGTGGANAGTGGGGANAAGTGTCTCTCTCTGCACC
CAGANAAGGTAGGGCCTCCTAACTGTAANCCCCATGTTAATATCGGACTCCTCCANAGGC
TTANCTGATGCNNGTGATGTTGGAANAANATTAATTTACTGCTCAGGNGTAAGGCTNTA
GCAAAGGGGAAAGGCTGNGAAAGAGGAGGGAGATGAAGGGAAAAGAAGTTACACCTNAA
GAAAAATCTGATGTGATTACGCCGATTTATACTGAGTGCCCCCATTTGCCAGGGACTG
NNGNGTACCTN

Sequence 2326

AGGTACCATGGCAGTCATGCAAAGCATGGGACAGAAGAAATACCACGGCAGTGAAGTGTG

Table 2

AGGATAACTTCCATTTTTTCCCTCGGAGAGAACAGTTTACGGGGCAGAGGTGATATGTTT
TGCCTTTTGAAGATTACTGGCACACGTTTACGCTTTTTACCTCTCTAATCGACTGGAAGC
AGCCAGCCGATCACTAGTCCTCCATCCCCCTCGAGTCCTCCGATTGTCATGCCTAGGCCT
TGCCACAAAGACAGCACCTTTATGTGAAAAAACTTAGAAAAATGCAGGTTAAAGAAA
GCAATAAACTTTCTTTAAAAAGTTAAATGGAGATCTTCTGGGAAACCAAGCCATGAATG
CGAGTTTGATACATTTTCCCCTTAGCTTTTTGTTTCTAGCTTGNCTTTTTCTTCTGCTT
CCTACTTTTCAGGTTTAAATTTATCTTTTTCTTCTAAAAGTATGTTTTATCTTCTAAT
TTCCCTATCTTCTCTATTCTTTCTTCG

Sequence 2327

CGCGGTGGCGGCCGAGGTACCGCTTTGTAGGGGAAGGAGGAGTAAGGATGTCGGAGACCT
GTGTCCAGGTGCACCGATGCCAGACAGACGCTCCCATGTGGCTGAATGGGACCCACCCTG
CCCTTGGGGATGGCATCACCACCACTGCTGTGCCCATTTGGAGTGGCAACTGCTGTTT
CTGGAAAACAGAGGTGCTGGTGAAGGCCTGCCAGGCGGGTACCTGCCCCGGCGGCCGGC
TGTTATGCTCATCATGGCACTTAAGAGATGCTTAACAAACCTTTCTACAATGTTCTCTCA
GATTTTCAGAGCTTATTTGATCTAGCATCTGGTTCCTAAATCTGAGTCACATCAGAAGC
CAAACCTGAATGCTTTTTGNAAAGAGCTAGCCTCATACCACTTTCAGTTGGGAAGGGGAG
TACCTTCNGCCCCGNTCTAGAACTAGTG

Sequence 2328

CCGCGGTGGCGGTCGAGGACCCAGCCAGTATTTCTTCTTTATTTTATTTAGTTGTTTA
TGGAAGGAGGTTAAGTCCAGTCTTTGTTTCTCCATCATGGCTAGATCACAGATTTTGAAC
ATAGGCAGTCTCACATCATAATCAATGTTCTAAACATTACATTCTCATTCTGTCTATAT
AGCTAAATGGGATGAAAGATGAACCTTCTGGGGAAGTATGTAATTTAAGTGTATATAA
GGACTTTCAAATNGAATATACAGCCAGGTGTGGNGGGCTTGTGCCTCAATCCTAGCTAT
TCAGGGAGGCTGAAAGGGATCACTTGAGGCCAGGAGCCAGAGATCAGCCTGGGCAACATA
ACAAGACCCCATCTTTTAAAAAAAATTAAGTACCTGCCCCGGGC

Sequence 2329

CCGCGGTGGCGGCCGAGTACCTTCCGTGTTCACTTCGCGCTCCTGGGGATACTAGAAGC
TCCACTTCAGATCCTTCTTGTGACACCATCTGAGCTTCTCCAATAGATAAGAAAAAGG
CAGAGGATACACTACAGTTATCAGNTCCCGTCTTAAGCAGGCTGAATTAAGAAGATCT
CTTAGCCTGCCAGTNACGCATAATTGGTAAAGCGATCAGATACCTAAAGGGTTAAAAA
AGGGCATTAGAAGCTAGAGCTGCATTGCCNAGCAAGCAGTAAGAAAAAAAAAAAAAAAAA
GTACCTGCCCCG

Sequence 2330

AGGCACATCTTCCCTCCATGAGTGGGATCAAGAAATATTGAGATGGCTAAGCTGGAAATTA
CAAAAATGTTGGCATACTATTATAGCATATGGTTATGAAAATCAATGAATATTTATATT
AGTATTATGCTTAAAGTATATATCCCAAGCTGATCAATTAATTACACTTTCACTGGATGA
GATGTCAATTCTACATTTAGCTGAACTCTCATCTGAACTGTGTGGCTTCTCAATGACAGG
ACATATTAAGAACATGATGAATGTTGTAATGTAATGATATAAATTATTATAATGTGTT
GCATTAAAAGACATATGGTGTAGCATTCTACCGTTCAGCTTTTGCAATTTATTTCTCAGT
GTCCATGATTTGCTCCTGGGGATTCCAAGATCAGTTTTCTTCTTATCAGTCAGCATATA
CATATTGGTATTAACACCTTTTTGCAAAAATCATATATAAATGGTTGNAGAATGTTGTTG
GCATTCTACAGCAACTGNNTAAGTTTTTGGTCAGCGATTAGCTTGGTTTTCAATTTATTT
AAAAATTCAGGCCAGTCCGGGGNGGCTCCCGCCTGTAATTNCANCCNCTTTGGGGANGGC
CGACCCCGGCCGGATCCACAANGGTTANGGAGAATCCNAGACCATTNCTTGGNCCAATA
CCGGNGNAANCCCCATCTTNTACTTAAAAAATACCAAAAAATTAGCCCCGGNCNTNGTG
GGTGGGGTGCCCTNGAATCCCNCTNCCTCTTGGGANGGCTGANGGCAGGAAAAATNGCC
GGGAACCTTGGGANGNCGGACCTTGGAAACCAGNCCAGAACNCNCCNGGGCNCCTCAAGT
NGGGCCACCAAGNNGGTNCCNNTCCAAAAAAAATTAAGTACCTGCCCCGGGC

Sequence 2331

Table 2

TTGGAGCTCCACCGNGGTGGCCCCCGAGGTACAGCACCCGCTTGGCTGTGCTGAGCAGCA
GCCTGACCCATTGGAAGAAGCTGCCACCGCTGCCGTCTCTTACCAGCCAGCCCCACCAAG
TGCTGGCCAGTGAGCCCATCCCGTTCTCTGATTTGCAGCAGGTCTCCAGGATAGCTGCTT
ATGCCTACAGTGCACTTTCTCAGATCCGTGTGGACGCAAAAGAGGAGCTGGTTGTACGAC
CAGACACTATTTAGCTAAAACCCAGCTCGAAGACCAAAAGAGTGGGTNNGCTTGTCTC
TGACAGTCACGCTTTTGATTCTTTTACTTCTTTGTGGACACAAGATGGTGGAGATGGCT
CANAAGNTGGGAAGCTGCTCTCCANGTTTGGGGAGGCACTGGTCTGGACCAAACCAAGTT
AAAGATCCCAAATCAAAGCACCAGACCATTCAACCAGCAAACCTGCCAGTTTCCAGCAG
CCTNTGGGCTCTAATCAAGCTCTAGGACAGGCAATGTCTTCAGCAGCTGCATNCAGGACG
CTCCCCCTAGGTANAACCATACAGAGCTTCCATGAAGACCTGCCAGGTCCCTGCCN

Sequence 2332

CCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCT
GAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAAC
AATGAGAAGGAGAGAATTCTACTGGCCAGACAAGACTCTCTTGATCTGCAAATACGACTT
CATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTG
CCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCCTTAG
GATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCAC
TGAAGTTCCCTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCT
TGAATTTGCAAGTTGTCTGGGTTTCATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCCA
CAAGAATTCAACTGGATCTGGAAGAGGAAAGAACTGATGGTGTAACTGAACCCATTTT
GATTGAGACCTACACAGGGCTGATGTCAATTCATTGGAACCGCAACAACTTGGCTATTC
CCTTGCCCGTGGGAGTATTGGTTTGAGAAAGCTTTTTTGGTACCTCGGCCGCTCTAG

Sequence 2333

CGTTCCGGCACCCACTCATATGCGCACTCCCTCCTGCGAGGGGCAGAACGCAGTGGGTCT
GAGTGAGTGGAGGTTGAGCCCTCTGGCGCCAAAGCAGCCGGCTGGTTTCAGTACCTGCC
G

Sequence 2334

CCGCGGTGGCGGCCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGC
TGAGACTTCTGGAGAGACCGTTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAA
CAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGA
CTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGGGCGCTGTCTATCGCAT
CTGCCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCC
TAGGATCTACTGGGGGAGTCCGGAGGAGCAAGTCTCTTCTGTCCCGCTGGAACCCATGGT
CCACTGAAAGTTCCTTATGCTACTTTTCACTGAGCATCCTATGAAATACACCAGTGAGAA
ATTNCTTGAAATTTGCAAGTTGGCTGGGGTTCATGTCTAAACTTTGTTCCAGCTTATCAN
AAATGCCACAAGAAATCAACTGGGATCTGGAAGAAGGGAAGAAACCTGATNGGNGTNAA
CTGAACCCCATTTTTGATTGGAGACCCTCCNCAGGGGCTTGATGTCAATTCATTTGGGAAA
NCCGCAACCAAACTTGGGCTATCCCCCTCCCCGTGGGANTATTGGGTTTTNGANAGTCT
TTTTTGCTCACTTTACCCCCCCCCCCCCCNNTTGNCGCCCTCAACTTGTGGNTTCCCC
CCCCCTCCCCCTCCCCCNNTTTTCTTCCCCCCCCCCCCCTTTTGGGGGCCCCCCCCCCCC
CCNNNNTTTTTCCCCCNNTTTTTTTTTTCCCCCCCCCCCCCTTTTNNCCCCCCCC
CTTTTTCCCC

Sequence 2335

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACAGCAAAGGACCA
GCAATATGTCCTATGAAGAGGATTTCTATTTCCACTAGGCGGCGCTGTTGGCTTAGAAAT
ACCTTGGGCTCGCCAGAGGATTACTAGCCGGTAATCTCACTGTTGGAGGTGGAAAAGGGG
AGAACTCTGTTCTAGAAGGTTGCAATGGCATTTCCTGAGCTATATCCCAGGTCTACAG
CATTTCTGATCTTGCTAACAGGATTACTTCTAGGCTGTAAAAATCCCACACATTC
AACACACAGAAAGTAAGAGATCGCAGACAGAGAAACCAGGAAAGAAGGAAGGTTTTGCAA

Table 2

CAGGATAGCCGGCAGACAGCCTTGAGATTAAAGGACAGATCTGAGATTGAGATTTGCTCC
ATACTACCCCGCTCCGATGAATGAATTCCTGCCAATGCA

Sequence 2336

CCGCGGTGGCGGCCCGCCGGCAGGTAAGTGTAGGCGGCAGGAGAAAAAAGCTAATTATTA
CTTGTGGAGTCTTGTCTCAGGCATGCTGTGGGGCTGTGCAAGATTGCTGCTCTGCTGC
TGTGTGCTATTTGATGCTACAATTACAGAGAGGCGGTTGAGCAGCCAGCCCGATCGGTGT
GGCTGCCAAACACATTTGAGCATGACAAGATAAATTTGTTAGACACCAGCACAGGGTGGG
TGAGAGGACATCCTGCTGACTTTATAAAGTGATGTGGGGCAGGGTTGTCGAGGTAAGTGA
TGATTGTCAAGTTTGGCAGAGATGATAGATAACTCCTTTGGCAGAACACCTAGGTCAATC
CTTTAAAGTCAGGTAGCTTAAGAGGCTGTTTGGTTTCTGCAGCGCTGGCTANCTACTTG
GGGAACATGGTTGCTCAAAAACATTCAGTACCTCNGCCCGCTCTAAACTA

Sequence 2337

CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGCAGGTAATTTTTTT
TTTTTTTTTTGTATCTCTGGCCAGGACTGCGCAGTCAGGGCACAATTATCTGATACTG
ATTCAGAGCTGCAAGAGAACACCAGCTCCTCTTTCTCCCTAATGACTTGATGTCTTT
CTTCATTTTCTATGATCCCTATCTTAAATTTGACTTTGAGCAGAAAGGGCTAGAAGCCAG
CAAGCTCTAAGTGGCAGGCAGCTAGAAATTTCTAATGTTTTTACTCTACAGTCCTGAGAA
AATAGCATCTATGCTTGAAAAATAAACAATGGAGCCTCCTCGCTCAGCCAGGGCAATGC
ACAGGGTGTCAAGACACTATGCTCAATGCAAAATGTGCAGCCAGCCCTTCTCTGTGCCC
TGAGCTTCCCTAAGCAATTCACACTATAGGTGAAGGTATTTATAAGGAGGCTATTCTTG
CTGGTACCT

Sequence 2338

CACAGTCGCTGCGGAGGGGTCTGAGGACAGGCGGTCTGACTCCCGCTGCCCGGTGGAAC
TAAGACCAGGGACGAGGCCACGCAGGAGATCAAGGTACCTCGGCCGAGGTACGCGGGTGG
TGACAAGATTCGATTCTTCTTTGAGAAAGGCGTTTTGATGAGAAAGGAAATTTCTGGT
CCCTCCGGAGAAATCCATCAACAAATTTGGCCACGCTCTGCACGCCACGACCCCGTCTT
CAAGAGCATCACACACTCCTTCAAGGTGCANACCTTGGCCAGAAGTCTGGGCCTCCAGAT
GCCCCTGGTGGTGCAGAGCATGTACCTGCCCC

Sequence 2339

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCCGGAGAG
ACCATTCAAGGCTTCTGGCTCTTGACAAAGAGACAAGGAGAAGGCCTTAGGATCTACTGG
GGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCTT
TATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGC
AAGGTAGGAGGCATCTTGGGTATTACTCTCAGATTAGCTTTGTTGCTGGAGCTATGTGCT
TCTAGGGACGTGTACCT

Sequence 2340

CCGCGGTGGCGGCCCGCCGGCAGGTACATTCCTGGGCTGGTTGATTGGTAAGCTTTCAT
CTGCTGAGAAGATTAGAAATCTTTCCGATTCAGGCTGAAATTAGAACCAATTTCTTG
TCTCCAGCTCTTATTGTGGGCCTTTATTCTGCAAAGAAGGCTGCAGTGCCAGCGGAGCT
GACTGCCAGTGCCAAGTGTGTGACTGACATAACGTATGGAGGTAATCCACACGTGTAGCT
CAGGAAGGCTATTAATAAGAGGTGCTATTTATGCTGGTTTCTGGGGACTATACCTAAAC
TGAAAAGGCCAGTTCACTACCTCGGCCGAGGTACAGGGTCCCAAAATGCGCTGACTCAGC
TTCACCAGCCCATCTCGGATCTCATTGCCAAAAATGTCTCTTCGGTCATGAATGAGGATC
CAGCCCAACCTCCAGCCAGGAACCAGCCAGCGCTTGGCCAGCCCTCCACAGGACAGGGAT
GGGGACATCGGTGCTGAGGGTGGCCCACTGGTTTCATATTTGCAATCCG

Sequence 2341

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT

Table 2

TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGG
GAGTCCGGAGGAGCAGTCTCTTCTGTCCCCTGGAACCCATGGTCCACTGAAGTTCCTTA
TGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTTGAAATTTTG
CAAGTTTGTCTGGGTTTCATGTCTAAGCTTGGTNCCAGCTATCCAGNAATGCCACACAAGAA
TTCAACCTGGATCTGGGAAANAGGGAAAGAACTGGTTGGNGTTAACCTGAACCC

Sequence 2342

ANAGAGAACTCGTCAGGTATTTTCATANAGTGTCCCTCGGTCTAGGTTATAATCCAATTGT
TATCAGTTTGGGCATTTGGGAGCCCTTTTAGTTGGCTCCCGTTTCNNTTGGATGTAAC
ACATCCTTTNGGNGTTTTTTTTTCTTTTTACTGGGATAAAACATACCCAGTTTACAAA
AATNTGAAANGCTTTACTAATTCGNGNGNCATCCATGCTAATCATCTTTCTATTGNNCCA
ATTTTAGGACCCCGCCCCGGGCGGG

Sequence 2343

AGGTACACCATTTTGACATACTTTTGCACTGTTTCAGCAGGGAAGAGTGAGAGGAAGATT
TTTCATGTTTGTGGAGAATGGCTTAAGAGAGTTAAATGAGTCTTCAAAGNGAGTAGCTG
ATTGAAATTGAGCTAAACTCAGAGCATAATAGTTTAGATAGTCTAAGAAATTGAAAAAA
AGTTGATGCCAAGCATACAAGAAATAACACCACCAAAAAATAGACCTAAATACAGACAAA
ATTAGATTAAAAACAAGAATATGTTCAATGTTAATAAAAGCAAAAGGAACATAGACATAG
TTATGGAGGAGTTTTGTTTTGTTTTAATAAGATAAAAAATATGGTTAGTTTTATAGCAATA
CACCTGGAAATCTGGATCAATTCTGTCCACTATAGTCATTACTAGTGACATGTAGATATT
GAACACTTGAAATATGGTGGATTGAATTGATTTATGCTATATGTAAATACAACTAGA
TTTAGTTTAAAAAATGTANAACCTGAATAATTTAATATTGNTTTTATGCTGAGATGACAA
TATTTTTGGATATACTGGGATTNAAATACATATNAAATATTGTTTAAAAAATCAAAGGT
AGTATTAGTNAAAATTNGGNCCTTTTTGGGNTTACCTTTTTTATTTTTTGGTTTT

Sequence 2344

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTNTGGAGAG
ACCATNCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCACATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCCTGGAACCCATGGNCCACTGAAGTTCCTTAT
GCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGCAAG
TTGCTGGGTTTCATGTCTAAGCTTGTCCAATATCCAGAATGCCACACAAGAATTCAACT
GGATCTGGAAGAGGAAAGAACTGATGGTGTTAACCTGAACCCAT

Sequence 2345

AGGTACTGACAACACCAAAGTTGCAAGTGAGCTAACCTGCAGGTGCCTGGTGATAAGTTG
GGTGCAGGAGGGCTACATGTTCTGAACCATGAAGAAAAGCAGACTTATAGTTTACCTGCT
TTCTCTTTTTGCTTTCCCTGGTTCTGCCAGCCTGACTCCTTTTTCCCAAAGGACTCCA
TAAAAAGTGTCTCGGTGAGCTAGCTGGTCAGCTGTTGTCAACTTGCCTGAGCTGATTAT
CCTTTTCTTTTTAAATTTGACCCTACAATTAGCAACCAGCAAAACCATGTAAAGCCTATG
GAATACTAAGGGGGGCTGGGGATTAGAAGCTGCCTCATGTTTTTCTCACTATTTTCCAAAT
GCAAAACCTGGTTGACTAGTCTTTGGCCACAGATCCANACCCCAAGAGGTGGCATGGAGCT
AGAACCACCACCATTTGAA

Sequence 2346

CGAGGTACGCGGGGCCAGCCTGGTGGCCAAAAACGGGATAGTCCAAATTTGTCTCCTACG
GGAATATTAGAGTTCTCACTTTTTTCTTGGGCTGGAGCTGAGGCCGGCTTGCAATCCAGT
GGCAATCGGCGTGAGTTCTGCTTATATGAGAAAGTGATGCTGACTTGTAAGTGAAGAAC
CAGTGGTGCTGCGGGTGTCTTTTGGGGTAGTGTCTGGGATCCAGTACCTGCCCG

Sequence 2347

Table 2

AGGTACCCCCACATGAATGGCTTCCCTTGACATGCACAAGGTCCCTTCTCTGCAAAGTGC
CCCCAGCCCAGCACCTTCTCCAGCTGCAACTCCACAGCCTCAGCAAACCTCTGTCTTTCA
CAGCTGTGTCTCTCACACGAAGTCTGGATCTCAGCCCGGATCTCAGCCCTGAGCTTTCT
TCTTTGAGTTGTTCTGTCTCAGCCTGGGGTGAAAAGCCCATATCGGCTGTTCCATGCATC
TGCCCAGGCTTCTNTTTTATTCTTACTACCCAATCCCCATTCCAATCCTCTGTTAATAAC
TCTTACGGACAGTCCCCAACTCATGATGACTTGA

Sequence 2348

CCGGGCAGGTACGCGGGGTTTGAACCACCTGCTTCCCAAGTGCAGCATCCCTCACCTATT
GAAGCTCTCCTGGGGCCCTTTCACTTTCTCACTCAGCACTGAGGGTGTCTGCCATTGGAC
CCCATTGGATTCTACTACCTGGAAGTGCTTGGTGGCAGCTGTTGACCTGGTTTCTTTGTG
CTTTCCAGTTCTAGAGGTTTTTGGCAGTGGTAAATACTCTTGCTCCAGAATGAATTCC
AAAAAAAAAAAAAAAAAAAAAGTACCT

Sequence 2349

CCGGGCAGGTACCCGAGAACCTATGTTGGTTGTTACTGGTGGCCTGATTCTTGGGCCTCA
AGGCGGCTTGCTNAGATGCCAGTAGTGGCAGGGGTAGAGGGTTCTCAGGCTCCTAGATA
GCTGCTGTGGCATGGGCAATAGCAGTAGCCATGGCAAGATGATTCTCTGGGTCTTAATC
TGTGTGCAATTGATATTGGCAGTAAGCTGTGATGGGCTGGGCGGGCCTGTCTCCAGGTCCA
CAGTTGGTGTGCTGCAGGTATATACCAGCTGAGGAGGTACCT

Sequence 2350

CCGGGCAGGTACGCGGGTTTGTAAAGCTTTGTGGGAGCTTCCAGGCCTGCTCTAAGATGCC
TTGCTTGCTCTTTGACCCATCAGCATGGAGCTCAGTGGTTGCTGTTTGGTTCTGCAGGCT
GGTGGGGAGACCGCCATCGTGGTGGGGCATCTGTCCAGCCCCATTGCCACTCANGGCATC
CAAACAGGAGGCACCCGCTGGGAAGGGTCTAAAGATACTCCTTGTGGCCACTGCTACTGN
TCACACTTGACTAGGTGGAGAAGCGAAGGGCTGAGGGGAGGTTTGTGTACCT

Sequence 2351

CCGCGGTGGCGGCCCCGAGGTACAATGTTTGCTGCTAGGGACACTGAGCCAAGGAAGATGT
AGCCTCTACCCTTGAAGAATAACATAAANGGTAAACAGGTAAGTTGTCATGCCTTGTAG
GACATGCTGTAACCTCAGTCTGGGGTACCTGCCG

Sequence 2352

ATAGGGCGAAATTGGAGCTCCCCGCGGTGGCGGGCCGAGGTACACGTCCCTAGAAGCACAT
AGCTCCAGCAACAAAGCTAATCTGAGAGTAATACCAGAGGATGCCTCCTACNTTGCAANT
TTCAAGGAATTTCTCACTGGTGTATTTATAGGATGCTCAGTGAAAGTAGCATAAGGAAC
TTCAGTGGACCATGGGTTCCAGCGGGACAGAAGAGACTGCTCCTCCGACTCCCCAGTA
GATCCTAAGGCCTTCTCCTTGCTCTTTGTCAAGAGCCAGAAGCCTTGAATGGTCTAGTC
CAGAAGTCTCAGCTACCGTGACCTTTCAAGTCTTCCATGGTAAGTCTCAATGGCCCC

Sequence 2353

AGGTACACTTGCCCCCACCACGGACAGCAGCACGCCAGAGCAACCACAATGATGCTGA
TGATAACGAGGGCGCGGGCCGCTGCAGGTCTGCGGCAGTGCCAGCAGCGAGTCGTACC
TGCCCGGGCGGGCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTG
AGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGACAA
TGAGAAGGAAAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTT
CATCATGCTGAGTTGTGTGCAGCTGCANCGGATTCTTTTGAGCGCTGTCTATCGCATCT
GCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTA
NGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGA

Sequence 2354

CCGCGGTGGCGGCCCCGCCTCATGCATTAGGGGACCTGTGCCTGTCAATCAGGCACAAGG
TGACGGGGCTGCACTCTGGCACACTCANNNGTGTGTTGTGAGAAAACACGGTGCCACGGAG
CAGCCCTGTGGGGAAGAAATGGTGGCCATGGCTGGAGGCAAACACAGATCACCTTGCGAG
GGGCTGACATCAAGAGCGTCGTCTTCAAAGGTGAAAAAGGCGTGGTCACACTGGGGAGA

Table 2

TTGGATTAGATGATGTGAGCTTGAAAAAAGGCCACTGCTCTGAAGAACGCTAACAACCTCC
AGAAGTAACAATGAACTCCTATGTTGCTCTATCTCTTTTNCATCTCATCTTCTCTCCT
CTTCTCCCTTTTATCAGGCCTANGAGAAAGAAGTGGGTCAAGTGGGTGAGAAGGAAGTCT
ATTTGGTGACCCAGGTTTTCTGGCCTGCTTTTGTGCAATCCCAATGAACAGTGATACCC
TCCTTTGAAATACAGGGGCATGGCAGACACATCAAAGTCATCTGTGGGTGTTGCCTTCCA
TCCTGTGTCTNTTTCANGAANGCATTACANTGCCGTGAAGCCATTACCATTCTCCAT
TNCCTGATTACCAANGGGGCTCCTTGGTAGCAAAATTTATGAAGAAGTGAAGNTTACCGG
GAGCAATTTTTTTAAAAA

Sequence 2355

CGAGGTACGCGGGGACCTCATTCTTCTACCGGTCTCTAGTAGTGAGCTTCGGCTGGT
GTCATCGGTGTCCTTCCCTCCGCTGCCGCCCAAGGCTTCGCCGTGATCGAGGCCATT
TCAGCGACTTGTGCGACGCTTTCTATATACTTCGTTCCCGCCAACCGCAACCATTGAC
GCCATGTGCGGGTTATTGAGTGCGCGAGACCGCGCGCGGGCAGGTACCATTCTCAAA
AGGTGTCCCTTCTGGTCCAAATATAACTGCATTCCACTGCATGATGTTGTTTCAGATGG
TGCGCCACTGACACCCACAGGTGGGTCTCTTGTAAACCGCTTGAAATCCCGCATGAGCCT
CCTCCGGGCGGGGTGACATGCTCCGCGAGCTGCCCGCGGTCAAGTCTTGAAAAA
AAAAAAGAAGTACCTCGNCGCTCTAGAACTA

Sequence 2356

CCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTACTTTTC
TTTCTGTTGGAACAAAAGAGTTGTCTTAATTTTAAATCTGAATTCTGATTATACAAGTA
AATTCATCACAGTTATTGAGACATTTAAATAGGATCATAAACACATTGAGCATCTGCT
NTTGCCCAAGGNGTCAGGCACCATGCTAGAGCCCCACAATGTCACCCTCCAAGTCTCATA
GCAAATGCANATGANACTTTTTCATTGATTATGAAGCCTTNTATGACATNTGCTTNANA
ACCTTAAAGCTGCCCATGCCACCTAGAGNGACCTAAACCTCCTAGTATCTGCCACCATA
AATGGGTTGCGCACCTGCCTGCGATTCCAGGCCAGCTGA

Sequence 2357

ACCCCAATCTCATCATGAGGGCCCTACCCTGATGGCTTATCTAAACTGAATCCCTCCCC
AAGGCCCGCCTCCTAATCGACTCCCATTTGGAGGTCAGGATTTGAGCATATGGGTCTGGG
GGGGACACANATGTGCAGTCCACAACCCCGTCTCTGCGCGTCTCCTTGAGGAGCAATGT
GGGTCTTCTAAGAGCCGTGGATGGGAAAAATGTATGCCAGGCCTATGCCTGCATACACA
GTTTAGATACCACTGTGCCAGCCTCAGTGTGCANACCTGGCCCGGCTGTGGCTCTTGAA
GTGTGCCAGCCTCTGACCGCCCAAGGGCTTGGCCAGCATCCAGTTGAGGTGTGGCTCCT
TCCTTGGGGTTCTGTCAGCATTTATTGGCCATAACTCATTGGCACAGGTTGGATGCTGT
CTCATAGCATCACTTACAC

Sequence 2358

CCGCGGTGGCGGCCCGAGGTACCTTTCTTCCAGGCCATGGCAAAAAATCCAATTATGT
CCGTCTTGAGTCTGTGGTCTTGCTTCTTATGTAGTATTTCTTTGTGAGCTGAAGATTAA
TGATGGATTACCTCCTTCAGCACATTTCAATTTGAAGAAAAGATTCCAGGCA
CTGAATGTAAATTGAACATGACATTTGACATTCCTTCTTCTGAGAGCTGGGTGGTCT
TAGTTGCTGTGAGGCTCTAGACACCGACCATACAGGGCGTGGGGCTGCTCCTGGACATGA
ACATCCTCCGAAGTCCCCGCGTACCTGCCCGGGCGGCCGAGGTACAGGTCTTTGCGGATG
TCCACGTACACTTCATGATGGAGTTGAAGGCGGTCTCGTGGATGCCGCAAGATTCCATA
CCCAGGAAGGAAGGCTGGAACAGCGCCTCCGGACACCGGAACCGCTCATTGCCAATGGTG
ATGACCTGGCCATCGGGCAGNTTCGTAGCTCTTCTCCAGAGAAGAGGAAGGATGCCGCGG
GTGGCCATCTNCTGCTCGAAGTC

Sequence 2359

CGCGGNGATGGCTGGCCAGAGGAGGAACGCTTGTGTNCTCATCGGANCTGCATGGGAAG
TCTGCATACAGCAAANNACCTGCATGCCTCACCTTATGGAAAGGATGGTGGACTCTGGC
CTCCTGTGGCTGGCCTTGGTCTCCTGCATTCTGACCCAACATCTGCAGAGCAGCGAGGTA

Table 2

AGTATTCTGCTCACCTGGCATCTCAGATGTCAAGGAAGACCTAGCAAGTGAGGATAGAAG
TGCAGAGAAGGTGGCTCAGGCAAGGAAGAGGAATTGGCAGTTCTAAAGCAAAAACCTCAGA
GCTAGAAGTCAAGGGAAACAT

Sequence 2360

AGGTACGCGGGATGACCAGCCACATCTGAAAAGGAAAGCATTCTGCTCTTTCCAGATCTA
CGCTGTGCCTTGGCAGGGCACAATGACCTTGTGAAATCCACCTGTCAGGACGCCTAGGG
GTCTGTACCTGCCCCGGCGCCCGGGCAGGTACCGCGGGGGTCTTTTCACATTTCAA
ACCTCCAGTTTAATTCCTCTCTGGAAGATCCCAGCACCAGCTACTACCAAGAGCTGCAGA
GAGACATTTCTGAAATGTGAGTGATGTGCCATTTCTTTCTCTGCCAGTCTGGGGCTGG
GGTGCCAGGCTGGGGCATCGCGCT

Sequence 2361

CCGGGCAGGTGGCGGCCCAAAGCAGTGAGCGGGAGAGCCGCGACATCGTGTCTCAGCGC
TGGCGTTCGGGAGAAAGCTAAGGCTCGCAACGCTCANTCAACCCCCCGCGTACTCCAT
AATTTGGAATTGCTGCCCACGTTGAATCATAATGAACCTTAATTAATCATCAGTTTTGGC
ATCATAGGCTTCTTTCCAACAGGGGAGCCGCTGTTGCAGCAGAGGCCAACCCAATCAGTA
GTNCCTN

Sequence 2362

AGGTACACGCAAAACCCACCTGTGTAAACACACACAGCAAAGTGATGTAAGAAGTTTCCA
TATAAAGGGCTCGAGTATGGAGAGGTAATGTGCAGGCTGGTTTGGCGCTGTAGGGGGCCAC
CTTGCTGCAGCTCTCCACTGATATGGTACCTGCCCGGGCGGGCAGGTACGCGGGGGATG
AAGAGTAACGCCATTACCGCCGGAGCCCGGAGAGCCTTAGCCGACGGAAACTGGACACT
GGACCGGCAGCGCCATGAGACTCCTCCCCGCTTGCTGCTGCTTCTTACTCGTGTTC
CTGCCACTGTCTTGTTCGAGGNGGCCCCAGAGGCTTGTTAGCAGTGGCACAAGATCTTA
C

Sequence 2363

AGGTACCAACCAGGCCACACAACAGCATAGAAGTGGGGGGACCAAGCTTCTTTCTATAAA
CAAAGCTCCTTGGCAACACTGGACTTGTGTGTAATCTTTTCCCTTTGTGTCTAGAATGC
CCTCAACCCCCAAGTCTCACACCTTCTACTTCTACCTCTCCCTAATGTATTTAACTCATT
CCTTCACTCTCAACTCCTAGTTAATTTCTTCAAGTAAATCTTCCCTGACTCTCCGGATGA
GTTTAGAACATGTATATGCTCTCTAGGCACCATTTATGTAACAGCTTTTTTGAGATATGA
TTTACATACCATACAATGCACCCGTTTAAATGTACCTGCCCC

Sequence 2364

CAGGTACGCGGGGGTGGTGCAGAGGGAGCCGGAAAGATGGTGGTTACCAGATCTGCACGA
GCTAAGGCCAGCATCCAAGCCGCGTNGGCTGAAAGTTCCGGGCAAAAGAGTTTGTCTGCT
AATGGGATTCAAGCGCATCCAGAAAGTAGTACCTCGGCCGCCCCGGCAGGTACGCGGGAT
TCCTGGCTTTTAACTTTTCCAAATGTAACCTCCAGGTGCTGANAGAAAGGAAATTTA
AGACAGTTTATGAAAGGGAGGAGAATCAACAAATGGCACAGGTCACCCAAATGCCAACCA
GAAAGTGCTCATTTTCTAGGCTAAAAATTGAACCTGAACTCAGGCCACCATTTGTGAAAAG
ACAAAGCCTTAAGTCTAAGCTACAGCATTGGGCAGNTTCCACTGCTTTTCCANAAGGA
GCCCANAGCAGTAAATTTGGGCTTGCAAAGGCTTTTAACTGCTCAAGATAATTTGTAGA
GCTTAAGTACTACCCCCAAATCCCTGTTGCCTGGAAGGCAGGAGACCAAGAAGAA

Sequence 2365

TTTCGCTGCATCCTTAGAAAACCTCCCGTGGATGAGAAGATCCCCAGGCCTTTACAAGCT
GTTGTTTTACAAAAGGAGAACTGAGGCAGGAAGAGGCGGTGGATGTGCACCAGAGCAGC
TGGTGCGTCGGTGCATANCTGAGGGCACATGGAACATTCACCAAGATAAACCATATGCTG
GAACATAAAATTTATGGATGTACCCATGAAGCAGAGTCTTCAGACCCTCAATCAAAA
CAAGTCTCATTTTACATTAAATTGGAGGACTATCTGGAGTCTCTGACCACCGTGTGACAG
AAAAGAGAGCAGAATTGTTGCATGATGGGTAACACTCATCAGTAATCGCTGTTTGCCAAG
CCATCTGGGAGGAGACCAAGAGCTATAAAATAAGTTCAGGCACGGTGGCTCATGCCTGT

Table 2

AATCCCAGCACTTTTGGGAGGCCGAGGGTGGG

Sequence 2366

ACTTTTCACTTTATAAGTGNGGCGGAAAAATTTGGNGAAAGCCTTNCCAACCCGGGCGGGGT
GGGNGCGGGGCCCGGCAATTTCAATTGGGCCGGTTGGGGGGGAAGGGTTCTTNGCTTTG
GTTTGGGGCGAAAAACAACCCAAANGGGAAGGGAACAAGCAATNCCCCGGGAAGCTTCNGTC
CCTTCNGGCNCAAGGCAATCCCNCAATGGNAAGCCTTCCCTTCAACGGGGGGGCCCTTCN
GTNTNAACAACCGCCTTCTTCTTGTTCATTGGCTTGTCCCAACCCAACGGAAGGAA
TCAAGGGGGCCCTTTTGGTGGTGGTTTCTTGGGNAAAAGTTAAGTTGGGCCCGCCCCAA
CCAAGNGGNGGGNCCCCCGGNAATCCTTTTGGTNCCCTTGGGGGCCCAACCCCCAACGTT
CCCCCAACAACCAAGTTGGGAAAAAGCCTTGAATGGTTTTCTTTTGGTTAACCCCTT
CGGGGCCCGGCTTCTTAAGAAAACTTTAAGGTGGGGNAATCCCCCCCCCGNNGN
NCCNTTGGGCNAAGNGGGAAAAATTTTCCGGAATTTAATTTCAAAAAGGGCCTTTT
AAATTCGNAATTAACCCCCCGGNTCCNGAAACNCCTTTCCCNAAAAGGGGGGG
GGNGGGGGGGGGGCCCCCCCGGNGGTTTANCCCCCCCCAAAGNCCCTTTTTTTTTTN
GGNGTTTTTCCCCCCTTTTTTTTAAAGTTTGGGAAGGGGGGGGGTTTTTAAAAAT
TTTTGGGCCGACCCGNCCTTTTTGGGGGGCCCGGTTTAAAAATTCCAAATTGGG
GGGTTCCCAAATTTAAAGGCCCTTTGGGTNTNTTNNCCCTTTGGGTTGGGGTTGGGAA
AAAAAAATTTGGGGTTTTAAATTTCCCCCGGGCTTTCAAACCCAAAAATTTT

Sequence 2367

TTCCGGCACCCACTCATATGCGCACTCCCTCCTGCGAGGGGCAGAACGCAGTGGGTCTGA
GTGAGTGGAGGTTGAGCCCTCTGGCGCCAAAGCAGCCGGCTGGTTTCANTACCTGCCCGG
GCGGCCG

Sequence 2368

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAGTTGTCTTTATGCTGCG
AGATAAGTCTCTCTTGGTTTGAGCTCCACCTTTTCACTGAACCTTACATTTTGGGG
ATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTTGATTCTTGAGAAAAGTGAGTGGT
GGGGCCAAGATGGTTGACTAGAAGCAGTTAGTGTGTGCCACTCTACAAATAGCAGAAAG
AGTGGTGAGACACTAGCTCTTCAACCGGAACATCCANGTGGACACATAAGGATTCATCA
GTGACATAAGTGTGACCTTCGGATCACCGGAGAAAGTTGAGACAAGATCAACCATTAC
CCAGGAGTGGGCNCAAGACCCAGGGGGAATCCCCCT

Sequence 2369

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGAATTGTCTAAGGTT
CAGAAAAAGGAGCCCGCTTTGTATTTCATTTTGTCTCCACTGAAACACTTCCAAATGGC
TTCAAAGTTGTCAACATGAAACCAACNTCACTTNTACTAGTGAAAAAGAACAGTGCTGT
CGTTTTCTGTAGGGGAAGAAGTTNTTGGAAAANAATTAATTTTAAACAAAACTTTTA
CTTAAAGAAATGGAATGCATTTAACAGAAGAGAAAAATGGGGAACCTATGGAGCCATTAA
ACATTTACATAAAACAGTAAAAGTTTTTTTTTACCAATGTGGGCTCCCTCCAATCTACCA
CAATGTGTCCAGTTTCAAAGAAGCCAGGTCACTTNGGAAGTAGTCATTGTATTAATGGA
GGATTTTTCTGGTGCAAAAAGCCGTTCCAT

Sequence 2370

CCGGGCAGGTACTTTAAACATGTAAGAGAAAAATGCCAAAACCATTTTGATTAGTTTAA
TTTTTTTTTAAATAAAAAAGTAAGTAAAAATCAACCCCAAAATGGAAGGGTTAGTATAGT
TGACCCTTGAACAACACGGGTGTGGACTATGTGGGTTTACTTTCTANTTNGGTTTTTTTA
AAAAGTACCT

Sequence 2371

AATACGACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTAC
AGATGCAGCCTGGCTAGGCAGAGAATCCCTTGTAGAAAGGTGGGGGAGAATCATAGGATA
TTATACTGTAAGGAACATGCAAGATTTCCAGATTATACCCTTGATAGAATAGATAAGT
TCCTTAAGGCTCAGATCTTGCTTAAAGCCCTTCCNGCCCTTGTTNNNANACCAANTATN

Table 2

AACACNGAAGCNTGGCCTNTTGGAGTCTTTTATTGAGTACCTNGGCNCGCTCTAGAACTA
GT

Sequence 2372

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACACACATGAGAACTGAA
ATGGCCCAAACCCAGAAAGAAAGCCCAACTAGATCCTCAGAAGACGCTGGTAGGGACAAT
AACCGATGAGGAAAAGATNNNNTTCTTGTCACCGCTCTGTTATGATTTCTCTCCATTGC
AGCAGAAAGCCGGTNTTTTTTCAGCNNACCNNCCTTNGTNATTGNATGGGCAAAATTNGA
CCANCACTTTTTGANGGAGCNAGGAGAGNGGTACCCTCGGGCTCGCTCTTAGAACTAAG
TTGGGATCCCCCGGGCTTGCAGGAATTCCGATATCATAGCTTANTCGATAACCGTCCGA
CCT

Sequence 2373

TGCTTCTGCTATGGCGAGGAGCCCTCGGCCTCCAGCCACTGTGCCACGCCTACCGGTTT
TCTGGGGATGTTGCCACCACCTCTGAAGAGTGAAACCAAGCTTTCCATGCAGGAAGAGCC
AGGTGCTGGGGCTCCCGCCCAACTGTGAGGCCACAGTGCTTAAGGGAAGAGCACCAG
GGCTCTACCTTTCTTTCTTGACAGTGGGTGAGCAGCGCAGGCAGAGATGTGCAAGGTACC
T

Sequence 2374

CCGGGCAAGGTACTCTCTCTCTCTCTCACACACACACACACACACACACACACACA
CACACACCCACCAAACAACAGTGTATCCACAAATGAATGAATGAAAGTTTTACTTATAAC
TTCACTGAAACACAGCTTTTGCTTATTCTAGTTTAGGAACCATNNGGGATATTTTTGGG
GAAACCTTTTATGGGATTTAAGAAATGATCCCTGGCTGGCGCGGTGGTTCACGCCTG
TAATCCCAGCACTTTGGGAGGCCAAGGTTGGGTGGATCACGAGGTCGGGAGATCGAGACC
ATCCTGGCTAACACGGTGAAACCCCGTCTCTATTAATAAATGCAAAAATTAGCCAGACA
TGGTGGCGGGCACCTGTAGTCCCAGCTACTTGGGAGGCTGAAGCAGGGACAATGGC

Sequence 2375

ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTGTTGTTGCTTTG
TTTGGAGGGTGTGGTGGTCTCCACTCCCGCCTTGACGGGGCTGCTATCTGCCTTCCAGGC
CACTGTCACGGCTCCCGGGTAGAAGTCACTTATGAGACACACCAAGTGTGGCCTTGTTGGC
TTGAAGCTCCTCAGAGGAAAGGCNNGNAACAAAATTGACCAAGNNGGCAAGCNCTTTGG
GGCTGACCTAAGAACGGTCANGCTTTTGGTCCCTCCCGCCCGAAACACCCCCAAATTGC
CACTACCCCAATATACANGCACCACAAGTANATAATCANCATTTCATCATCTTGCCTGGNC
CCCCNTGATGGTAGAGGGCAAGCTTTGTTCCCAA

Sequence 2376

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTC AAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACTGAGCATCCTATGAAATACACCAAGTGAAGAAATTCCTTGAAATTTGCAAG
TTGTCTGGGTTTCATGTCTAAGCTTGTCCAGCTATCCAGAATGCCCAAGAAATTC AAC
TGGATCTGGAAGAGGAAAGAACTGATGGTGTTAACT

Sequence 2377

CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGTTCGTTTCATCATTGTTGTTTATTT
TTTAAATAAAATAAATAATATATATAGATGCTCTGCAACAACTCTGTGACAGTAT
CCTTCAGTAGAGAAAGTTTCTTACTTGTGAGTACGCGGGCACCCGGCTGATTTTTGTATT
TTTAGTAGAGACAGGGTTTTGATGTGTTGGCCAGGCTGTTCTCGAACTCCTGACCGCAGG
TGATCCACCCACCTCAGCCTCCCAAGGTCCTGGGATTACAGGTGTGAGCCACCGTGCCCC
AGCCAAAAGGAATTCATTTTAAACAACAAAAATCCATTATTACTTATAAAGGTAAATTATA

Table 2

CTATAGAGGTTAGATATACTTGTCTTCACITTTAATATAGAGTAGAAAATCCATTTTACA
TACTACTGACTTTAAATAATGAGCAACATTTACTTGCACTCTTTTAATTGTGAATCAAGG
GATTTTTTGGTGTGTGGTGTCTACCATTCTTATTTCTTTCAATTTTC

Sequence 2378

CCGGGCAGGTACACGGGAGTGTATGGCCTAGAACTCCCATCATACCTGTGCACCAATTGA
GGAGAGACACATGGGTGGGAAATTGCAATAAAAAGACGGCCACAGCAGGCTGCATTCCC
ATGGCTGGCCAGAGGAGGAACGCTTTGTGTTACATCGGAGCTGCATGGGAAGTCTGCAT
ACAGCAAAGTGACCTGCATGCCTCACCTTATGGAAAGGATGGTGGGCTCTGGCCTCCTGT
GGCTGGCCTTGGTCTCCTGCATTCTGACCCAGGCATCTGCAGTGCAGCGAGGTAAGTATT
CTGCTCACCTGGCATCTCAGATGTCAAGGAAGACCTAGCAAGTGAGGATAGAAGTGCAGA
GAAGGTGGCTCAGGTAAGGAAGAGGAATTGGCAGTTCTAAAGCAAAAACCTCAGAGCTAGA
AGTCAAGGGAAACATAATGAGAAACAATGGGAAATCAAGTCACAACTCTCTCAAAGAGCCT
AATCAGAAATTTCTCTGAAAGGGCANTGGGAGCCAGTNACATAATTTCCCATGCCCAT
TCTTTGGGGAAGATTTNAGACCCCCAGATTAAAGAAGA

Sequence 2379

GCTTT
TTTTTTTTTTTNGCCAANNCTNANNNTTNTNNGCNAANCCCTTNANTNTNCCCTGGCCC
CAGGCTNNNTTATNAAANNGGNNNNNNNAGNGNTTCCANNTTNTGNTCCANGTTNA
GGTCCNCCCANCNGGNGGGNGGGGANCCCTNANACCTGGNNCCCTGNGNGCCNNAN
NNCNGGAAAAANNNNTTGANNTGGGNANANGNTGCCCNNTNGGGGNGNTNCGNNNANG
NNTTAAAGGGNATTTTNTTATCCAANTTTTCNNGTCCANNNGGTNCCTTGNCNNNTT
AAAAANNGNGGANCCCCCGGGCNGNNNAATTNTATNTAAAGNTTATTNATNCCNNCNC
CCNANGGGGGGGCCCGGNCCTTATTTTCCNTTNTNNGGGGAAAANTNCCNCNGG
CNGAAATAAAGGAAANAAGNTNNTTNTNNGGNAAAAATTNTNNTCCTCNCACATTG
AATGAAGGAANGGGGAGTGTCCCGNACNCTNAAAAANTTTGAGCCCTTGNTNGNTTC
TTNAGGGGNANCNAGGAANTTGNNTNAAANNGGANANNGCCCCCNCNTTNTTTTTT
TNTTTTAGNGGAAAAAANATCCGGNCTGNGCCNCGCNAAAAANTTTANTNGACTGGNN
CNTTTTTGNGAAAAAGGGGNCNCCCCCCCCCCCCCCCCCCCC

Sequence 2380

CCGGGCAGGTACGGGTGCCTGGCCTCGCTTCTGCCCCACCACTCTGCCCAAGAACTGGCT
GGCTCCAGGATTGGTGCCCTTCTTATGGCTCTGGTTTAGCAACAAGTTTCTTTTCATT
CGAGTATCCCAGGATGCTGCTCCAGGCTCTCCCTGGACAAGTTGGTGTCCCGCACATCA
GACCTGCCAAAACGCCTAGCCTCCCGAAAGTGTGTCTCCTGAGGAGTTCACAGAAATA
ATGAACCAAGAGAGCAATTCTACCATAAGGTGAATTTCTCCCCACCTGGTGACACAAAC
AGCCTTTTCCCAGGTACCTCGGCCCGCCCGGGCAGGTACTTTNTTTTTTTTTNTTTTTT
AGAATGCAAGGTCTTGATTTAAGTAGCCTGAAATAATCTTTTAAATGGAAAATAAGAT
TAATCAGAGTGAAAATTAATGNNTTTTGACNCACNGAATCACANGCCNCGATNAAATG
TATATATTTCTGNATCTATATGTTTTCCAGGGCCAATCTTTNAAAATGGAGCTGAAAA
CCAACCTTGTTTANAAAATAGNNNNNGNTTTTGCAAGTCTTTTGGCCTTTGCTNNTTAANA
GTATTAATAAAAAAATTTTGGGCCACANATACNNTTNTATTTTTTCCNGTTCTGGGG
AATGNTTCTTGNNAGGGGNTTTTANAAGATTGACCCATTGGGGGTNGGGAANAANAAA
ATTGGTTTTGGGGATAAGGGCCTTCCCCCCCCCCCCCCCCCANNTTNTNTTTNCCAN
TTGGGGGG

Sequence 2381

CCGCGGTGGCGGCCCGCCGGGCAGGTACATTCGGGGCTGGTTGACTGGTAAGCTTTCAT
CTGCTGAGAAGATTAGAAATCTTTCCGATTTAGGCTGAAATTAGAACCAATTTCTTG
TCTTCCAGCTCTTATTGTGGGCCTTATTCTGCAAAGAAGGCTGCAGTGCCAGCGGAGCT
GACTGCCAGTGCCAAGTGTGTGACTGACATAACGTATGGAGGTAATCCACACGTGTAGCT
CANGAAGGCTATTAATAAGAAGTGCTATTTATGCTGGTTTCTGGGGACTATACCTAAC

Table 2

TGAAAAGGCCAGTTCAAGTACCTCGGCCAGGTA CTCTGCTCTCATTAGGATCAATAAGT
GCANAACGGGAAGTTTTCTGCTGAAGCCTGACTATTGGTTAACACATTGAAAGAAAGTAG
ATTTCCCAACATTTGGCAATCCAACAATACCAATTTTCAGTGAGGTTCCAAATCTTCCAA
TGATTGGGGGTGGTTTAATTCCATCACCTTCCTTTTAGGG

Sequence 2382

TGCTTCTGCTATGGCGAGGAGCCCTCGGCCTCCAGCCACTGTGCCACGCCTACCGGTTT
TCTGGGGATGTTGCCACCACCTCTGAAGAGTGAAACCAAGCTTTCATGCAGGAAGAGCC
AGGTGCTGGGGGCTCCCGCCCGAACTGTGAGGCCACAGTGCTTANGGAGAGCACCAAGG
CTCTACCTTTCTTTCTTGACAGTGGGTGAGCAGCGCATGCAGAGATGTGCAAGGNACCT

Sequence 2383

CGCGGTGGCGGCCCGCCCGGGCAGGTACGCGGGGCAGGGCAGTCAGACTGGAACCATGGA
GCTCAGCGTCTCCCTTNCCTTGCACTCCTCACAGGCCTCTTGCTACTCCTGGTTCAGCG
TCACCCTAACCTCCCATGGCACCCCTCCACCAGGGCCCCGCCCTCTGCCCTTTTGGGGAA
CCTTCTGCAGATGGACAGANAGGCCTACTCAAATCCTTTCTGAGGGAGTGATCTGATT
GCCGTCAATCAATAATACCTTTGACCAAGGGACTCCAATCAATTCAGCATGTTTTGCCTA
ATGCCTTTTGTGTTAATACTGNTGCGGGACAATCAAAGACTGGAGAGATCAAAAAAAAA
AAAAAAAAAAGTNCCT

Sequence 2384

CGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAG
AGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGA
GAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACCACTTCATCATGCTGA
GTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGT
TCACCTTCCCTGGGATGTCCCTGGACAAAGAGACAAGGAGAAGGCCTTAGGATCTACTGG
GGGAGTCCGGAGGAGCAGTCTCTCTGTCGCCGCTGGAACCCATGGTCCACTGAAGTTCT
TATGCTACTTTCACTGAGCATCCTATGAAATACACCAAGTGAGAAATTCCTGAAATTTGC
AAGTTGTCTGGGTTCATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCACAAGATTCA
ACTGGATCTGGAAAAAGAAAGAACTGATGGTGTTAACTGAACCCATTTTGATTGAGACC
TACACAGGGCTGATGTCAATTCATTGGAACCGCAACAACTTGCTATTCCCT

Sequence 2385

CGAGGTACTCAGCAAAGTGATCCACACGTTCTTTATACTGGGGGGTGGAGAGCCGCCGG
CACTAGTTCAAAAAGTTCTGGTCCACCTCCTCTCGGAGTTCAAAGCCCCAGCACTCCGGC
CCGGCCGAGGTACTTTCAATTAGTTTTCAATATCTTCTGAGTTTTCTCTTAGGTGG
TTGGTTTCTGGGTAAGGCAGAGTTAGGCTGGTGCACACACTATTTAGGAAGTCCTGTCTC
GTGGCTGACAACATACATGTAGTGCTCAAGGAAGTGAGTTAAGGAGTGACATGGGAATCA
AAATGATGCCTAGAATAGTGAATTTGGGAAACAGCCCTAGATTTGACATTTTGAAGTT
CACTGTNAAGAAAGAGACCCCAAAAAGAANGAAAAAGGGGAAAGGGTTCTCAGCTAAA
TATCCCACTCATCCATGCCTACTCAAGCGGNCAGTGTGAACAAAGGCCATCTTAATCGGG
GCCAAGAGATTACACTTTTTCCCTNGTAACTTTAANCTGGCTTTNTCTTTGGGGNATG
TTGCCTTAATNGGGANGGGTGAANGGGG

Sequence 2386

AGGTACGCGGGAGTAAGTTATAACCTCTGGCCTTTGTCTTTACATTTTCACTTTCTGGA
TCCCTAACCTTTGGTCCCAAGTACTACCCTTGCTATATCCACTAACCACTCACTAGGT
CACAAGTTGATGGCTCTGGCTTGACCCAGTGAATGAGAAGTGCTTAGCTGTTTTTTTT
TTTTTTTTTTTCGCAATCTTCATAGGCACAGTTGCCTGTTTAATTTTTTTCTTCAGCCCT
TCCCTTAGAGGAGGGAGCCTTAAGTTACCTTTCAAGGTTGGGGGTAGGAATCTATCATA
ACTAGTCTAGAGATTTCTNACCAAGGGAAATTTTCTTATCTAAAAGAGGAACCTNAGGT
CTCAACCCTGCCAGTCACACCCAATTAATGTCTTCACAAAAATAACAGCATATGTTT
CCTTTCAATTTGAGTTCAGTGAGCTCACAGCAAAATTTACCTTTTAATTTCTTCAGCAA
ATCCCAAGACGAATTTACAAAGGATGAGATTAGATAAAGATTTCAGTTTCCCGTATGCC

Table 2

ACCGCTGNCCGCCCAATTTTCAAAAAAGCCTGGCTCCTCTTTTCTGGTC

Sequence 2387

CCGGGCAGGTACGCGGGGAGATATACTGAGTGAGCCCTGAGAAGCAGTCTCAGATCCTGA
CGGTGCAGCAGCCCGCAGCCTCAGCCAGGGAGTCCCAGCCGCTTTCAATGGAGGAGAAGC
CCGGCCAAGTATCTCTTTTCTACAGCCTTATTAACCTAACTACAAACATTTATTTCCAA
TTTAGTTTTACTTTTCAGTGCATATCAAAGTTGTTGTACCTN

Sequence 2388

CCGGGCAGGTACGCGGGAAGCAGTGGTAACAACGCAGAGTACGCGGGAAGCAGTGGTAAC
AACGCAGAGTACGCGGGAAGCAGTGGTAACAACGCAGAGTACGCGGGAAGCAGTGGTAAC
AACGCAGAGTAGCCATTCTTTGTTCTTTACTTTCTTAATAAACTTGCTTTCACCTTAA
AAAAAAAAAAAAAAAAAAAA

Sequence 2389

CGTANTACGACTCACTATAGGGGCGAATTGGAGCTCCACCCGCGGTGGCGGCCGAGGTAC
AATGTCCTCGTGTCTTGTCTGGTGCCACCTTGGGTCCCAGTCCACCTGGACATCAGGC
TGACGTCACTCAACAATGGCCGGGTTGTTAATTCGCCACCTTGAAGCCATCTCTGGAAC
TGTGCAACTGGGTCTCCAGGCTTGGTCTGTTTCAAGATTAGCTCCTAGAAGTCTAATCT
CACCTGGCCGCTAGTTATTGATGGAGCCCATATGTGAACTCAGCCAATTCTTACTCTTTT
CCTCTATGGCAGGCTCCCTGCCAGTGTGTCATGGCAGGTCAGCACACGGGATACTGGA
TCTGAGAATCTGATCTCCAGGGATCTTCCCCTTATTCTGTTCCCCTTGGAGGATTGAGCA
GATACCTGTAGATAAGAAGCTGAGCACTGGAGAAATTAAGTAGTCCCAGTCTTCTAGTTA
ACTACTAAGTAAAGGATCCTTGATTCATACCCAGCTCTGAGTTCTGAGCATTAACTACTT
TGTTGCATTGCATCTGGTGTGAGTGATTATCTGTCCCCATCCCCGCGTACCTGCCCGG
GCGGCCGCTTCTAAACTAGTGGATCCCCCGGCTGCANGAATTCCATATTCAAGCTTATC
GATACCCGTNAACTTGAGGGGGGGGCC

Sequence 2390

AGGTACAGGGTGTGTTAGAGAATCTTCTATGGCTTTTTGTGTTAGATTTCAAAGACCTGT
GCACTTTGACGGGATGGGATTTTGTCACTTCTGTGACTTCACGTCCGTGTGAAAGAGGTC
TTTAAGGCAGTTTCGGTTTTGTAGATCCCATGCGAAAGGAGTCGCTCAAATCAGGGGGCG
AACTACGCGGGCGTGAAGTGCAGGATTTATTTTTCGGGTGCACAGTAAGTATTCAGTGA
CCTTCAGCGGTGCCCTGACGGGTGGGTAATCAGAGCTCTATATCACCGGCCTCCTCTGGC
CCTTTGGCAGAGGGCTTCNCAGCTGGCACTGGGCCAGAGGAGAACTTCAGGACCCAGCAG
TGACTGTGAAGATAAGCACATCCATGATCTGGACTTCACGTTCTGATTGCTTGCTTTTT
TCATTGGTTTTCTTGAACAAATTTTGGG

Sequence 2391

CCGGGCAGGTACAAAAAGCAAAGACCCCTTCTCCATCTCTGGATTTTAAAACTGGAAAA
GGATGCTGAGAGGATTGAGCCAAAGAGCCAGTCTGGGACAGTCACTGTGGTCAGCTAGT
GGTGTGCTTTGTCTGGCCACGCTGGGTCTGCTGCTCGCTCCAAAGGGGCAACATACTTG
ATTTGCAGCCCTGGCAGAATCATATGATTAAAGTGTGGGAGGGCGGTGGTGAGGGAAGTA
TCTCCCCAAAGGAAAGAGGGGTATGGAACAGSTAAATTAACAGATGTTTACAAAATTG
TCTTAATTATTTTCCCCAAAATGCATAGCCAGTTTTCCCAATCCTAGTTTTCTCTATTT
ACTTAAATGCCATCTTTATTATATATCATATAGTAAATTATCTGTCTTTTCATTTGCCA
GTGCCACAGTGTCTTCATTTTTTTTAAANCTTTAAATTAAGGAAAAAATCAGAGCTT
ATTCAACTATTCTGGTCAATGGAAATTTTAACAGTGATGCCAGTAGTTTTTAAGAATGTA
TTACAAAATTTTTT

Sequence 2392

GGCGAATTGGAGCTCCACCGCGTCGAGCGGGCCCGCCGGGCAGGTACTTTTTTTTTTTTTT
TTTTTTTTCTTTTGATTTTCAAGTCAGTGAACCAAGGCAATCACCGACACTGCCCGCNCAT
TATGGGCCTAATTCTGCAGAGGTCTGACAAACCTGCCAGAGACAGAAGATTAAGCTATT
CCAAATTACCCANACGGAGGCAAGCCCAGATTGGGCTNTCTGGGACAGANGTGGGGGTGG

Table 2

GGGGACCTTTTCATTTCTGCTCTTTGGAGACCTCCAAGACTAAACAGTTTAGGCCACATTT
TGAAGAAAATTNGCTTTATCCTTTCA

Sequence 2393

CCGCGGTGGCGGCCGAGGTACAGTATTGAGAAGTAGGGAAAGAATAGAAGGAGGAGTTGA
ATCTGTAATTGACTGAGCAATCAGTTGAGATAACTCACTGCCTCCACATAACCTTGGGCT
GTCCTATGAGTCAGTGAGAGCAACCCCTCTCATGTAGGTTCACTGAGGTAGCTCACT
GGCACTGGGAAAGTTGATCAGGGTAGTCCCATCTCATGCACAGCCCCATTTCCCATGAG
CCGCTAGAGTGGCTCGTATCAGAAAGATGCCATACCAATGCTGGCAAGGACCTGGAGCA
·ACTAGAATGCATGTGCATTTACCTTGTCTGACAGCCACTTTGGAGAAGCTCTTGGCTGT
TTCTTATAAAGCTAAACATAATCTTCCCAAATAACATGGCAATCCCACTTCCACTTGT
TATGTGAAAA

Sequence 2394

TCTCTCACATTTGAGACTGGGGAAGGAAGGCATACATGACAGGCTGGGCCTCACCACACC
CACCTGGACCTCAGATCCCTTGTGATGGGAAGCCCACTTGGGGAGTAGAACCTTGGCAA
TACCGACTCAGGGTTGGTGAATCGCCTTTTCATGACAATTGATGATTCTCATCCACTGA
GGAAATTACATTTACCTGAACTCCCCAGTCCCTCAGGCAATGGCCAGCANAGTGTCAGA
GGGCACAGCTGAAGGTGCCGAGAGTCAGCATAGTGCATTTGCTGCAGGGTGAAGCTTTG
CAAACGAGGAAGGCTGGCAATAAATGTACCTTCGGCCGCTCTAGAACTAGTTGGATCCCC
CGGGCTGCAAGGAATTCGATATCAAAGCTTTATCGGATACCGTCCACNCTTGAGGGGGG
GGCCC

Sequence 2395

CCGCGGTGGCGGCCGAGGTACGCGGGGAAGCGCAAAAGAAGAAAGATGAGGCAGAGGTCC
AAGTAAACCGCTAGCTTGTGACCCGTGGAGACCACAGGAGCAGAAACATGGAATGCCAN
ACGCTGGGGATGCTGGTACCCGTGCCCGCGATGACGCCGAGCTCCNGCCCCGAGCCCTGG
ACATNTACTCTGCCGTGGATGATGCCTCCCACGAGAAGGAGCTGATCGAAGCGCTGCAAG
AAGTCTTGAAGAAGCTCAAGAGTAAACGTGTTCCCATCTATGAGAAGAAGTATGGCCAAG
TCCCCATGTGTGACNCNTGTGAGCAGTGTGCAGNNAGGAAAGGGGCAAGGATCGGCAAGC
TGTGTGACTGTCCCNAGGAACCTCCTGCAATTCCTTCTCCTGAANTGCTTATGAAGGN
GCNTCCATTCTCCTCCATACATCCCCATCCCTCTACTTTCCCCAGAGGGACCACACCTTC
CTCCCTGGAGTTTGGCTTAAGCAACAGATAAAGTTTT

Sequence 2396

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATAGCCCCAGAAGGGCGGACTG
GCCGGAGTCCAGGGATGGCAGCCAACGCCCCATAACAGAGATCAGCATTGGACTACAAGA
AGAGGCAAGGAGAAATCAAGGATCAAAATTTAAGTAAAAGAAAAGCCAAGTCATTAATA
TAGGCCCTCATTTGAAGAGTGGGAACGTAGGTGTGATGTTCTGGCATAAGGAGTGAAAAA
GAAAAAGCTCTATTACTTGAAGCTTTTACCAGGGGCAGAGAGAATGGCCGGAAGTGAGA
AACGTGTGTGTGGATGCTTACACTGATGCCGTCTCCTAATATTGGAACATGGCTCCAGAA
AGGAGAACCAATTATTCCTAATTCACGGGCGGCATTCTCTGACTCCCAAACCTCCCAAAG
TGGAGGGCAGGAGCTGCCCTTACCTTG

Sequence 2397

AGGTACCTTTTTTTTTTTTTTTTTTTTAAACTCCCTTTCCTTGTTATCTGAACTTCCA
AACATCAGCTTTGATGTCTATTGTTGGGACTTCAAGAGGACTTTAGCACATCGGCAGGT
GTTGGTTTTAGTGAGCAGGCGANAGTCCCACATTCTTCCAAGGAGAGAGATGGGTCCAC
CACATTCTACCCCTAGAGCANAAGTTCCCGCGCTGTGCCTCTTCTCTGGCTGCTTGCTG
AGGACGTCTCCCACTGGGGTACCTGCCCC

Sequence 2398

CCGCGGTGGCGGCCGCCCGGGCAGGTACCTAGAGAGAAAGTGGTCCAAGCACAGGGAATT
GTGAGTGCAAAAGCTTTAAGGTGGAGTCATGTGTGGTATGTTGAAAGACAAGGTAGGAGG
CCAGGGTGGCTAGAGTGCAGTGAGCCAGCAGACAGCAGTAGACACTGAGGCCAGAGGGTT

Table 2

[illegible]

Sequence 2399

CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGAGTTGTAGAGAATTTTTACCCTGCTCC
TGGAGTGGTCTGGAGGCTCCCATGAGGTCTCCATGTGGAGGCGCTCAGCAAAACACCTT
AGCAGGAAGCAAGCGCCTGGATCCTTCCATGCAGCTTTCAAGTTCACTGGTGGCCCCGCA
CTGCTCCAGGCACTGGGAGACAGGTGTGAACCAGCCTAATGCAGGCCCTGCTTTGAA
GAGCCCCATTGAGAAGGACAACCAGATGTATAAACAGATAAATTAGGAGACAGGGTGACA
AGGGAGATGGGGCAGCGGGACGAGGAGATAACCCCCAAACACTAGATTTGAAGTCTAACG
ACTCAGAGATAAAAACCCTCTTCCACCGACAGCTGGGTCAATTTGACCTTGACCTTCTGT
GTCTTCTATAATAGAATGGTAACAACTACCATGATTAGTGAGCTGACTATGTGGTAAGC
TAGTGTTTTTCTTACTCTACCTGTAGCCTCTCCATGCTCCTGTGAGATGTGTTATTCCTA
TCTTACAGATGGGGAAATGGAAGCACAGAGAGGCCAATACA

Sequence 2400

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACCTGGCGCTTCCTA
AGTCCTGGCAGCTAATGATTGTGGTGGTTGTCATGGTTTTATTTCTATTTATCTTTCTT
TTCATCATTATCTTGGCTAGTTTCTTCTCTCCCTAGAGGCAGACTTAGTTTGATGCCAA
AATCCTATAATTAGTGAGAAATAATGATCCAGGAACAGGTATCATCCGATAGCCACAGAT
CCTGTGAGTTCTCTGCAAAAGTCATCTCTACTGAGCAGTCGCCTGCCAGCCCTCTTNCTT
TAGCTCCCATAAGCAAAACAGACCAACTCCCAAGTTGCTTGTATGCATTTCTGGCTCA
CTGCTACTGTCTTTCTTTTAGGGTTTCACTAAGAATCAATGCCTTCAACTGGGCCAAGG
TGCGGNAAGCTGAGCTTCAAGAGGAAGCCGCTTTCTCATCAAGCTCCGGCCAGATGCCA
ATGTGAAGTGGCCTGGCGGGAAAGGGGACCCGTTGAGCCATTGGGGATGGCNGTGTGTCC
CTGCA

Sequence 2401

CCGGGCAGGTACCATGGAGGGGGGAAAATAGGGCATTCTCTGAGAGAAAGGAGCCTTGGGATATTTGCATTCCATTTTGATTAGTATTTTTGTTTCTCTCAGTTCATTGAGATCAAGGAAAACATATTTAAATGGATATAATGTGATGCCAAGTGCCTCTGGACACCAAAAGCGCCCCCTCCACACACACCCTACGGTCAGCTCAGGCATGAAGGTGCATGTCCCCTCAAGGCCAGGCTAATGGTGGCCCTGACTCAGAGGCAGGCCTCACCAGCATGGATCAACTATAAACTAACTGCAGAAGGCACTCATGCCCTGGGTGGGCTA

Sequence 2402

AGGTACGCGGGAGGCTCGGTGGGCGCGGGCGGCGAGATATGCCACACTTCTGCCTGCTGT
TGACAACCCCTCTGGACTAGGCTGCTCTTGTTAATCACATGGAGTGTGTGAGTATTATAT
TCACAAAGTGGATGTAGAGAAGATATTTTTATTTAACTATAAAATGCTTACCACATGAGCTA
CTCATGCTTCGCAAAAAANATATTTAAACATTTGTGATCTTGGGAGTTTTCATTAATCTCC
AGGGATTTATGCTGCTTGTTCATTGGTTNAAATAATGGTGGGTTNCANTATCTTCCCC
CTAATNCAATATTTGGACTTTTTTTATTGANAAAAAGAAAACNTTTTTNNNAACCANCAA
NAAGCCTTGNTNGGNTNTTNNAAAGNAAAATGGCTTTTTTTGGAATT

Sequence 2403

CCGCGGTGGCGGCCGAGGTA CTCTACTTTCTTCTACAACGTCCCAGCCGAGCTGAGGTCT
GAGCTGTGCTGCTCAAGGCTGTCCCATGTGAATACAGATGCGGAGACCCTGTAAGGGTAA
CAGAGGAAGCTGTGAACCCAGGGGAAGAAGATAAACTTGTGGACATATGTGCAAGGAGCA

Table 2

ATTTTAAGTATATTGCACTAACCAACTCATGATCTGTAACCTCCTTTGTTAAGGAAAAGAA
TGTATATCTACGTCAAACCTCCATTTTCAGAAAGCCGAGGTCAAATAATGAGTCCTGGGG
AATTCAAACTTGTGTTAAGAAAATGTGTCCAGTGTGCAATGGCTGCAAACAGCAGCTTC
CTTGGTAGTGTATGCAGCCTGTTTGTGTATTGTATGGGTTGCTCTAAGGGACCCTGGAG
ACAGTCCTTTTCAGATGGATGTTTCATGTTTCTGACCTTGCCCTACCCCAAGTGGTAAGGTT
CCAAACAGGCATGCCGAGGGTGCCTTTTNGGGAAAC

Sequence 2404

AGGTACACCCGCGAGTCCCATTCTCACCTTTACACCCCCATCCTCACACAAGTAACCC
GGGTGTCTGACACGTTACTTAGGTTTTTAATCCGCGCTGAGACAATCTCACAGAGACCCT
ACTTCACCTCTCAGTAACCTGCATTTCTCAGCTCTGCTGTGTGTGTGTATGTGTGTGT
GTGTGCGCGCGCGCGCGCGCGCGGTGTGCCGTGTTGGGGAGTGTGATGTGGGGGAATCAG
TTAATTTGGTGATTGCAATGAAAATTCGACACCGCTAGATGTATTTCCCTGCCAATCTG
TGTGTGCTGGCCC

Sequence 2405

CCGCGGTGGCGGCCGAGGTACGCGGGCTGGATCCCTAACCTCTGGTCCCAAGTTACTACC
CTTGCCATATCCACTAACCCTCACTAGGTCACAAAGTTGATGGCTCTGGCTTGACCCA
GTGAATGAGAAAGTGCCTAGATGTTTTGTTTTTTTTTTTTTCGAAATCTTCATAGGCA
CAGTTGCCCTGTTAATTTTTCTTCAGCCCTTCCCTTANAGGAGGGAGCCTTAAGTTACC
TTTCAAGGTGGGGGTTAGGAATCTATCACTAGTCTAGAGATTTCTCACCAGGGAA
ATTTTCCTTATCTAAAAGAGGAACCTCAGGTCTCAACCCTGCCAGTCGCACCCAATTAAT
GTCCTTCACAAAATAAACAGCATATGTTCCCTTCAATTTGAGTTCAGTGAGCTCACAG
CAAAATTTACCTTTTAATTTTCTTCAGCAAATCCAAGACGAATATACAAAGGATGAGATT
AGATAAAGATTTTCAGTTTCCCGTATGCCACCGCTGCCGCCAATTTTCAAAAAAGCCTGG
CTCCTCTTTTCT

Sequence 2406

CCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTCTTCTTACCTT
TCCTTTCTCTCTCCTTGACCCATTTCAATTCAACTGCCACCTACTGAGAACCTGTTATAT
GCCAGGGATAGGGATATCAAGATGGATGAGGTCCAACCCTAACTTCAAGGAACCTCACAGN
GTANTGGAAAACCCAGGTNTCTAAAGAAATTATTTAGTCCCATGTGCTAAGGATGGTGG
AGTGTGGTGGTCAAAAGTGCGGACTGAATTCANATCTTGCCCTGCTGGGGGTGACGTCAG
TTGATCTNACTAAGCCTNAGTTTTCTCTGGGAAAATGGTAATTACATCTTCCACAAA
GGTTTTTANAAAAATTAATATG

Sequence 2407

GACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTCTATTGAATAA
GGGGAAGGGATTGTAGAGGTATGGATACCAGGAGGTGGAGATCATGGGGCCATTTTAGA
GTCTGTCAGCCATTGTCCATCATCTGGGCTTCAGTGATTCATGTCCCTTCCCCATGCAA
ACACATTCAATCCCTCCCAAGATCTCCAAAACCTCTCATCCTATTACAGCATCTATTGAAA
GTTCAGAATTTCAATTATATAAATTAAGTCCAGGCATGGATGAGTTTCTTGGATGTAGCT
CTTCTTGATGCATGGATCTCAGTGTGATGTCTGCTGGACTGATCAGCGTGGTGGCTGCT
GAAGGTTGAGGTGGCTGTCATAATTTCTTAAATTAACAACAAAAATTTTCTACAAC
ATTGACTCTTCTTTCATAAAAGTTTCTCTGTAGCGTGTATGCTGTTTGACAACATTT
TANCCACAGTATAATTTTATTTCAAATTTGGAGTTCGGGAGGAGCCAAGATGGCCGAATG
GGGAACAGCTCCAGTCTNCCCGCCGTACCTTGC

Sequence 2408

AGGTACGCGGGGGCGTTGTAGATGGAAGGAAGAACTTGTGTGCTTAGACCTGACGCTGG
GAGGAGATGCTGCCACCTAGGTTACTTGTAGGACCCTATACGGCAACCTCCTTTGCCAGG
AACTATTTATAACATCCTGCAGGAAAATGAGTCTATATGTCAGAATACACATTTCCCAC
CTTGCCCAACAGTAGAAAAACATAAGAAGAGAAAAACATTAAAAATGACAAGGAAGTTA
ATGGAAGTCAGCAATGTGATGGTGTGGAGGTGGAGCCTTCAGAAGGTAATTAATGCCC

Table 2

TTGTAAGAAGAGGCCAGAGAGCTTGCGCACCTTCTTCTGCCATGTGAGGAGCCAAGAAG
CCGGCTGTCTGCAACCTGCAAGAGGACCCTCACTAGAAGCTAGCCATACTGGCATCCTCA
TCTTGGCTTTCCAACCTCCAGAACTGTGAGAAGTATATTGTTTGTGGGTTTNAAGTCAATG
GTCTATGGGAAATTTTTTATAG

Sequence 2409

CCGGGCAGGTACTATAATAATTGAAGAAATGAAAAAGGCAGTTTTCTCTGGTTTGCAGAA
TTATTTTAGTTTGTAAATTGAAAGGGTTTACTAAGTTCCAGGAAGGACTGATGGAAAAAG
ACACATTTAGGCAAATCGTCCTGAAGTTTCTGATTCAAAAAAGAGAAAAATTTTAT
GAGTTCTCAAACAAAAAGTTACACACAAAGAAAAAATGTAACTTTTCATGGGATTTCTT
CTCTTTAATGCTAGAAGAGAAAAAGCACAGTGTAACACATCTGCTAACTACTGAAAGAAA
AGCACTGCAACGCAAGCATCCGTCCCGCACATGGATGAGATAACATTCACCTATCAGGGT
AAGAAGATGTAAGAACTGAGAGGGTTGGAGCAAGATGGCCAAACAGAAGTCTCCACTCAA
CATAACCCCTACAGCAACACCAAATTTAACAAGTCTCTACACATAAAAGCACCTTCATA
AGGACCAAAGAATCGGGTGAGCATGACAGTAGGCAGTTTAACTTCATATTGCTGAATGA
TTCAGTGAAGAGGGTAGGAAAGACAGTCTTAAATTGCAGATGTCCCCCTCCCCTGTN

Sequence 2410

TGGCGGCCGAGGTACTCAGAGTGAGGATTTTCTGCAACCTGCGTTTGTCCCTCCAGCATC
TGCTCTGGCTCCATGGCGGACCCTGCAAGTCACAGTCCCGGATACCAGTCCGCGCCCAA
GCCGTTCTGTTCTTAAGAGCCCTGCACCGCTCCACCAGCTCCAGCACAAACAGCTTCGGC
CGCTCTANAAGTGTGGCATCCCCGGGCTGCAGGGAATTCTGATATCAAGCTTATCGAT
ACCCGTGCGACCTCGAGGGGGGGGGCCCCGGTTNCCAGCTTTTGTCCCTTTTAGTGAAG
GGGTNTAATATGCTGCGCCTTNGGCCGGTAAATCATTGGGTNCATTAGCTTGTTTTCTG
TGTTGAAAATTTGTTAATNCCGGCATCAACCAAATTTCCACAACCA

Sequence 2411

CCGGGCAGGTACGCGGGATAGCANGGGCCAGTTCATCTGCCTGAAGANAAGAAGATGTA
TCAAGTTCAAGGATATCCAAGAAATGGATCTCACTGTGGTCCAGATTATAGACTCTACAA
GAGTGAACCAGAGTTAACAACAGTGGCAGAAAGTTGATGAATCTAATGGAGAAGAAAAATC
AGAACCTGTTTCAGAGATAGAACTTCAGTTGTTAAAGGTTCCCACTTTCTGTTGGAGT
AGTCCCTCCAAGGAGGCAAAATCACCAACACCCGGAATCTTCGACAATAGCTTCTATG
TAACCTTGGAGGAAANACTAAAGAAAGGATGATTGNGATCTTAAGGAACGGGAAAGACC
CAAGGAAAGGTGCANGTGGNAAACAGCTCTTGGTTTGGGNCCTGAAAAGGTACCTCGGGC
CGCTCTTAGAACTAGGTGGGATCCCCCNGGCCTGCCANGGAANTCCGANATCAAAGC
CTTTATCGGAATACCCGTTTCNGACCCTCGGAGGGGGGGGGCCCCGGTCCCNAGNNTTTT
TNGNTCCCTTTTAGATGANGGGGTTAAATTTGNNGCCCTTTGGCCGTAATCNATGGGNCA
ATAGCCTTGNGTTNCCCTGGGGGGG

Sequence 2412

CCGGGCAGGTACACCTCACAAATGATAGTGGCTGAGAGCCAAATGATGAGCTTCTCTGTG
TTATGTCTACCTAGCTGTGATTATATCAGGCACAGGATTGTGCGCGTGTGCTCTAATCCC
ACTGTGTCTATGCAGGATTTTACCTCGGCCTATGCCTGCCTGGCAGCAACACAGCCATGT
TCCTTACACTCCGCCCCCTAGGCCAAGGGGGTCTCTTAATGGGAACCTGTCACATAGG
GGAGCACCTTGGACCCAGAGGCCACAGCAACAATAAAGAGAGCAACAACCTACTACTAAT
ATTCCTGCTATGCTACCTATGATTATAAGAGCCCAGTGTAGGCCAGAGCCCAGAGACACC
CACCATCTCTGCAGGCGGTATCAGTAAGGTATTCAATTGCCTTAATCTCCCATGACATG
ACACCCCCCGCAAAGCTGCCACTATGTTCTGGTGGTTGTCAGGGATGAATGTACCT

Sequence 2413

TCCACCGCGGTGGCGGCCGAGGTACCTGGGAGTGGCCTTCTGTGCCTGCCACTGTGCTTC
CCACATTGCTTAGTCACACACATAACTGGGAGGTGCTGTGTTCCAGTTTTTGTGAGTGC
ATTGAGCCCCCTAGTGGTTCTACCCCTTAGCAATAACTGCCCTGGAACAGGTGTCATCAC
TGTAGAAATGCAGGTTACAGCCCTTGCAAGACACAGAGATTGGGCCCATGAATTACACCT

Table 2

GAGCTGCCCTCCTTTTGTTAATTGATGAGATTGATCAGATCAGGAAGGTGGTTGATGCAA
AACCGGATGGCCTTAGACATAGTCACAGCTGNTCAAGGTGGCACCTGTGCCCTGTAGGG
ACAGAGTGTGTACCTGCCCC

Sequence 2414

TTATTAGGGGCNGGATATTGGGNAGCCTTCCACCGGCGGGTGGGCCGGGGCCCCGGGNCCC
GGGGGCCAGGGTACCTTNTTATGGNAGAACCCAGGCCNNGGTCCATAATTGGCCTTGAA
GGGTAAAGGGAAGTTTTGAAGAACCAAGCCTGGGCTTAACCATTTGGGGTGGAAAAACC
CCTGGTCTNTACTTANAAAAATTACANAAAAATTAAGCCCGGGGGCCATTGGGTGGGGC
NTCAACGCCCTGGTTATGTTCCCAAACTTGCCTTTGGGNGNAAGGGTTTGAAGGGCC
AAAGGAANAAATCCGGCTTTNGGAAACCCCAAGGAAAGGGTTGGGAAGGGNTTTGC
CAAGTTGGAAGGCNCCGGAAGNAATCCGGCCCCGCCAACNTGGCAACCTCNCCAAGCNAA
TTGGGGGGNCCGGAACCATGNAAGCCCAANGGNACCTTCCCCAATTCCTTCAAAAAAAT
TAAAAAAGNAAAAAANGNNAAAAAAGGAAAAAACCCANAANAAGTAANAAAAAAGGGAA
AAAAAAGGNCCNTTAAANTTAANTTTTGGGGAACCTTTTTCNTTTCCTTAAAAA
AAAAAAGGGGAAAAANANAANAAAAAAGGGNAAAAAAGGGCCCCNTTGGGAATTG
GNCCAANCAACCCAAAAAATTCNTTAAAGGNAATTTTTTNGGGGCCAANAGGGG
TTCCGGGAATTCCAAAAANTTTTAAAAAAGGGGGGAATTTAATTTTTAATTNTTTGGC
CAATTCNAACCAAAAAAATTAANAANTTTTCTTTTTTAACCTTNCCCC

Sequence 2415

CGAGGTACCAAGGCAAAAAAGAAAAAATCAGGATCCTCTGTGAGAAACAGAAGTTA
GAGCAACTGAATTGCTTAAACAGCTGGGAGTTGAGCCAAGTGCCAACATTCACAAGCTGG
TGAGTTTGGGTCTTAGTTTCTGCTTTAGTTATATGAGAAATTTGCCCCCTGAGTGATGAT
AATTGCTCCTTATAGTAAATCCGTGTCTGCATAAAGGCAAGGAGTCCTTGGATAGGGGT
GAGTAGGTCTGCAAACCTCAATATCATTTTTATTTTTCTGAATATTGCTCTGGGCTTTTC
TGTCTCTGCCAGGTAACCTCAACATCTCCGCTGATGAGCCTATAACTGTGACACCTCCTG
ACTCACAATCATATATCTCCGTCAATTACTCTGTGAGAATCAATGAAACATATTTACCA
ATGTCACTGTGCTAAATGGTTCTGTCTTCCCTCAGTGTGATGGAGAAAGCCAGAAAATGA
ATGATACTATATTTGGTTTCAATGGAGGAGCGCTCATGGGGCCCTATATCACCTGTA
TTCAGGGCCTATGTGCCAACATAATGACAGAACCTACTGG

Sequence 2416

ACTATTGGCGAATGCAGCTTCCCCCGCGGTGGGNGGCCGCCCGGGCNGGTACGCGGGAGG
CAGGAAGTGTCTGCGCCGCCNNTGGCCGGCCACAGCCTAACGCTCTTCNCTGTCGTTTGT
GGGCTCGCGCAGGGCGGGCCCCGGTTCTGGGTGTTTTGGGCCGTCNGAATTAACAACC
ACCATGTCCAGCAANAAAGGCAAGAGACCAAGAACCAAGAAGCGCCCTCAGCCGTTG
CAACCATCCAATGTGTTTGCCATGTTTGACCAGTCACAAGATTCAGGGAGTTCAAAAGAG
GCCCTTCANACCATTGNATTGAATCAGGAAACCANCAGATGGGCTNTCATTTGGACCAN
ANGGAAAAGAAATCTGGCCANTGNATATTGCCTTTGGCTTNTCTTCTAGGGGGNAAAGA
AATCCCCCACCTGGAATGGCCATTACCCTTTGGGATGGCCCCATTGGAATGGAAATTG
GAAGGGCCCCCCCCAAGGGGCCCCCAATTCANATTTTCAACCCAATTGTTTCCCTT
GGACCCCATTTGTTTTTGGGGTGAAGNAAAGGTTA

Sequence 2417

TGCATAGACTAGTCAGCTTCTGGGGTGACTAGAGCAGGGCTGTTGTCTCCACAAGCTTCA
GCCGTGCGTGGAAGTGGTCAGCTTCCGGAGTGACCAGAGCAGGGCTGTTGTCTCATCTCACTG
GCACCTTGGTTCCATCGTAGGATCAGCTGGGTTGCATGGTCTAGGTCTGTTGGCTGGTC
CACTTGTCTGGGCTGCTGGTTTCAGCTGACTGGATGGATGGATCCAAGGCACAATTCCT
GCAACATTTCTAGGCTTCCAGTGGGTCCTGGCGTCTTAGCTGTGGATCTCCAATACCTG
CAGGTAACGAGGCCACAGAAGCTGGGCCTCTAGGAGCAGAAGACACAGAGCAGTGAAGAC
TACACAGAAGCTCCGGCTGCCACCAGAGACAAAGGCCCGCCCCCGGTACCTNGGC

Sequence 2418

Table 2

CTCCACCCGCGGTGGGCCGGGCCGNAGGTTACCACTTCAAGCAAGNATNGTCTGGCCGGG
TCCTTGGAAGCTTGNGGGNGNNAAGANNGAGCGATCNCCNAAAAAANAANTATTTTT
NTNTNTTCTTCCCCAGTGTCTTGGGCCNGAAAGGGCCTACGGGCCACCCCTTGCCGGGT
TTCCCGCCCTTCCCGTTANACCAGGGTNGGGGTGGGAATTCAAGGGTCNGGGCCCCGCC
TTCTTAAGAAAACTTAAGGTGGGAATTCCCCCCCCGGGGGCTTGCCAAGCGGAAAAATT
TCCGGAATAATCNAAAGGCCTTAATTCCGNAATAACCCCCGGTTCCGGGACCCCTTCC
GGAAGNNGGGGGGGGGGGCCCCCCCCGNGGTTAACCCCCCAAGCCTTTTTTTNGGTTTTCC
CCCCTTTTTTTAAAGNTTGGAAGGGGGGNTTTTTAAAAATTTTGGGCCGGCCCCGGCCTT
TTNGGGGNCCGGGTAAAAATTCANNTTGGGGGTTCCTAATTAAAGGCCCNTGGGGTTT
TTCCCCCTTGGGGGTGGATGGGAAAAAATNTNGNTTTTAAATTCCCCCGGCCTTTCC
AACCAAAAATTTTCCCAACCAACCCAAAAACCAATTAACCCNGAAAGGCCCCCCGGGGG
GTAAGGCCAATTTAAAAAAGGNTGGGTTAAAAAAGGCCCCCTNNGGGGGNGGTTGGCC
CCNTTAAATTTNGGAAAGNTTGGAAGGCCTTAAAAACCTTCCAACCNATTTTNAAAAA
TTTNGGCCGGTTT

Sequence 2419

CGCCCGGGCAGGTACGCGGGGGGCGCTGAGAACGCGGGTCCACGCGTGTGATCGTCCGTG
CGTCTAGCCTTTGCCACGCAGCTTTAGTCATGGCCTCCGGTAACGCGCGCATCGGAAA
GCCAGCCCTGACTTCAAGGCCACAGCGGTGGTTGATGGCGCCTTCAAAGAGGTGAAGCT
GTCGGACTACAAAGGGGAAGTACCTCGGCCGCTCTA

Sequence 2420

NCAGGCTTGCCCCAGAGCCATGGCAAAGATGGACTTTGTAATTTGCATCCTGGTGATCA
CCTTACTCCTGGACCAGTACCACCAGCCACACATCCAGGATTAAGGCCAGGAAGCACAG
TCAAACNGTCGAGTGAGGAGCACAAAGGATGNGGAGATNCTNGAAGACTCAAATTGAAAA
AGCTCTGGGACAAGAAAGTCNAATGCCCTTTGAAGNGTAAATTTCAAAGCCCTTGGCCA
GACCAGGGTCTTGNCTNCGGAGGCCACCTAAAAGGTTTCAANGAAANANTGCCTAC
CNTTGNCTTTCAAGNAAGGGGTNGAAAGNCATTTTCCATTGNAGNGCCCAANNNGA
AAGGACCTTGGCANTTTTCCCCAAAAAGGGNAGGGAAATTCCTGGGTTTAATTCCCCC
CAAGGGAAACCTCNCCGTANCGGAAAAATTNCAACCGGCCCCCTNCCAAAGGAACCTAAT
GNGGTAAAAAAGGGGAAGNCCCNTGGCCNAAGGGTGGTTCCNAAATTGNACCTNTTTTTG
GGG

Sequence 2421

GCNGTGGCCGCCTATGTACNCGGNTATTGCCCTGTAACTGTCAAAGAAGAGCTAGAGG
GNGCTTTCCGGGAAANGNNNANTGTTTTNNTTGCTTTCTCCTTACTTGAAGGCTTCGC
TAGTNGATGGACCCATACATGATTCAGATGAGCAGCAAAGGCAACCTCCCCCAATTCTG
GACGTGCATGTCAACGTTGGTGGGAGAAGCTNTTGTGCCGGGAAAAATGANAAGGCCATT
AATAGGCCAAGGTNGGGTCTTGTGAGGCCCTCAANACCATGGCCAAGGAAAAAATTTTC
AACCCNCATTCCCGGAGCCNTTTGTGTGGACNAACCATGNAAGGGTGNCAAACCCAT
AATTCCTATAAACAANNACCCAATTGATTTTTCCCCCTGNTCCCCATTTGGGGGGNCC
CCCTTACCTTGGTGGTTTTTGGGGAAAAACCCTTTGNCCTTACAANGACCCNCTTNGAA
GNTTTNACCCCCCAAGGNCANNTTGAAAA

Sequence 2422

GTGGCGGCCGAGGTACGGACCCACATGANGGTGAGGCTCTCTGCACACTCCAGAAAAGG
ACCAACCACGCCGAGCTCAGTTATGGCACACACAGTGGGACCTANACAAAGGGAGAGGGT
GACCGACATCCCACTAGATTTAGTGGAGTGAAGTTCAGGAGGCATGGAGCTGACAACC
ATGAGGCCTCGGCAGCCACCGCCACCACCGNCGCCGCCACCACCGTTAGCAGCAGCAGC
AGCAGCAGCAGCAGCAAGAGTAACTCTGACTTTAGNGAAATTAGGAGACAGCCAGNAGTA
GNAAATGTNGATCAATGGAAGGGAAGACAATTCTTGGGAGTTGTTGCCGTGCTTTCTT
TTCANGAAGGGGGACCGNNGGTGNAATGGGGGCCAANATTTNGGNAAAAAAGGNCACC
CCGTNATNAATGGGGGAAACCTTTAAATCCTTTTTTNCCTTTTTTCTAAAAAATTTGG

Table 2

ATTGCCTAATTTGAAAAAATTTTTNGCCGGTTTTTCNNTGGTTAACTTTTGGTTAAA
AAAAACCTTAAAAAAGGTTTGGCNTTTGGGTACTTTANCATTGGNNAATGAACATGNTC
GTANTNTTGATGNATTATAAANNAATNAANGGNGTANCCCCCTTGGCCCCNGGGGGCCGGG
GCTCGGGTTTTCTTAAGAAAACNNNGTTGGGGGATT

Sequence 2423

AGGTACTGACTTTTGGAGTTACTTAAGAACCACAGTTCCTAAAACATTTTATTTGGGAGC
TCAACTTCTGGCTTCCTACTTACCAAGAGGCAGTAAGTTATAACCTCTGGCCTTTGTCTT
TACATTTTCAACTTTCTGGATCCCTAACCTCTGGTCCCAAGTTACTACGCTTGCCTATAT
CCACTAACCCTCACTAGGTCACAAAGTTGATGGCTCTGGCTTGACCCAGTGAATGAGAA
GTGTCTAGATGTTTTTTTTTTTTTTTTTTTTTTNGCAAATCTTCATAGGCACAGTTGC
CTGTTTAATTTTTCTTCAGCCCTTCCCCCTANGAGGAGGGAGCCCTTAAGGTTANCTTT
TCAAGGGTTGGGGGGGTAGGGAAATTTATCATAAACTAGTNCTAAGNAGATTTTCTC
ACCCAAGGGGAAAAATTTTTCTTATNTTAAAAAGAGGGAACTTTNGNGGGTTTTTAAA
CCCCTGCCAAGTNCACACCCNAANTTAAATTGTTCTTTNACAAAAANNAACANGNC
AATTTNNTTNCCTTTTC

Sequence 2424

AGGTACCCGTGCCCAGGAGGNCGCCGAGCTCCANCCCCNAGCCCTGGACATCTACTCTGC
CGTGGATGATGCCTCCCACGAGAAGGAGCTGATCGAAGCGCTGCANGAAGACTTGANGAA
GCTCAAGAGTAAACGTGTTCCCATCTCATNATAAAGAAGTATGGCCAAGTCCCATGTGT
GACGCCGGAGAGCAGTGCNCANTGAGGAAAGGGGCAAGGCATTGCGGNAANCTGTGTGAC
TTGTCCCTGAGGAAACCTCCTNGNAAATTNCCTTCCTCCTGAAAGTGCTTTATGGAAGG
GGGGCCTGCAATTTCTANCCCTNCCATTACNATCCCCCATTCCTCCTTACNNTTTCGCCC
NCAGNAGGGAACNCAACCAACCCNTTNCCTNCCCATGNGGAGNNTTCTGGNGCCTTTTA
AAGGGCCAAACCAAGGAATTAACAAGGTTGNGTGTAAATTTTTNTNCCCTNCCCTTGAA
AAGGGGGAAAAAGGGGGGCTTCTTTTNTTCCCNTTGGCNTNGGANTTTCCNNAAAAA
ATTGNTAAAAANGNAAGCCCACCNATTTAATNAATGGTTTANCNTGGTGCCCCCNNAAT
TATTTAAAAATNTTNTNATTANANGGTTATNAGNGNTTNCCTTNCCTCCCGGNGGCGG
GGNCCGGTTTTTTAANANAATCTAAGGTTGGGATTCCCTATTTNGNGTTTTTGGGATGN
GGANATTTTTTTTATTNNAANAGGNNTNANCCGGNTNAAACGTTCCCNCCCTTCCATA
NGGGGTGGNGGNCCCCCCCCCCCCNTNTTTTT

Sequence 2425

GGAGCTCCACCGCGGTGGCAGGCCGAGGTACACGGAGTCCAATTGTGGTGAAGATGGTCT
GGATCATATTGCTCCTCAGGGGCCCCATTGAGTGCCTGGATCTTGGCTGTGTAGTGGGTGG
ATGGGCTCAGGTCTGCCANGCTGTACGAGGTGGTATCTGGACCCACAATGACNTCCTTGA
CTGTGCCATNCACTGATACATAAACCATCATNGTAACCGGTGACTGATGCCCCGGGGGGT
CAGCCANGTAAGGAGGGCANNTTCCNACTGACCTCATTANCANTCATAGNCTNTTGGAN
ANTCTGATGNCTGANNTAGNACTNCTTCAANNATGNGNTTGAGCNCTTTNTNGGGCCCT
TNTNTTCTTGCAANNAGAATCTCAATTGTTANATTTNCCNNGGGNATGCCTTTANGNATNT
NNNANAANAAANNCAACNCACTCCTAGCCCCNGGACACCNNAACNNTNAAAATTTA
NTTNGNNACTTTTNAANCCCAATNTGNTNNNTANANATACTNANNCTTGTCTTCTCAN
ANTTNCAAANNGGNATTTNCNGTANNACCCNATTCCNCNAATCTTNGANTTTNCCAATT
CGNANNTTTTNACTATCNGNCAATATNNNATTTTGTGNNTTTNTCANACANATCCNNCN
TTNGAAATNTATTTTTTTTCCCCCCCCCCCCCCCCCCCC

Sequence 2426

AGGTACAATAGGGAGCACCCAGGTTCCCTACGATGCCCCCAAATCAGACCCAGGGGCTG
CCTTCCAAACAGTGACAGGCACCTAAAGAAGGGACAGGGCAGATGCTGCTTCAAGCCAGT
CAAAGCCAAGACAGGCAGGCTGTGTGGCACGGTTGTGCTCCCTGAATCTCTTCTGCCT
CGGGCAACTCTTGTGGATCACTTCTGCCTCTGCCTTTCCATTCCCTTCTTTCCTGGT
TTTCTTCTCCTACCAATTTTTGACCTGCAATTGCCAGGAGTTACCTGGGTCTCCT

Table 2

GGACCTTTTCTCAATGCAATCTCCTCCTCCAGCACCCCCAAGAAGCGTCGCTCCTGTGT
TCAAGACCAACCAGGGATGTGTCCAAGACCAACAGGATGGTTGTTACCTATGAGGCTCA
TG TAGGCAAGGAGCGATTGTGGCCACAGAGCTGCCCTCAGCACTGCCCTTGCAAGTCAACG
AGGAAAGGGTTAGCTAAGCAAATGAATAGCAAAAGTGAGAGAACAGTGCTGCAGCTACTT
AAAAGTACCCAGATTTTATATGCCCTTAGCCCTGAGGATGACTCCCCCTCATGGGTT

Sequence 2427

CCGGGCAGGNACNCGGGCCAGTCCTAGCTGNTGGCATCACTATACTACTAACAGACCGNA
ACCTTAACACCACCTTNTTCNACCCCGCCGGAGGAGAGACCCCATTTCTATTACCAACCA
CCTATTCTTGATTTNNTCGGGTCACCCTGGAAGTTTTATATNCTTATCCTACCCAGGCTT
TCGGGAATAAATCTTCCCATTTATTTGTAACCTACTACTTCCGGGAAAAAAGAAACCCA
TTTTGGGATNCATAGGGTNATTGGTCCTGAGCCTTATGATATCAAATTGGCTTCCCTAGG
GGTTAATCGGGNGGGGAAGCCACCACCCATTATTATTTACAGGGAAGGGAAATAGGACG
TANNACCACACGNAGCCATTATTTTACNCTTNCGCCCCACCATAAATTCATTCCGCTTA
TCCCCACCCGGGNGGNCAAAAGTATTTTAAAGCCTTGAACCTCGGCCCAACAACTTTTCA
ACGGGAAAAGCCCAANTTATTGAAAAATGAATCCTTGGCTTGCCAAGGTGGCCTTCTTGA
GGCCCCCTNAGGGGAATTTCAATCTTTTTCTTTTTTCAACCCGGTAAGGGTGGGGCCCT
TGGACCTTGGGGCAATTTTGGTATTTTAAAGCCAAAACTTCAATTNGGGCTTAGGAACAA
TNGGTAACCTTTCGGGGCCCGGCTTCTTAAGAAAACCTAAGGTNNGGGAATTNCCCCCCC
GGGGCCCTGGCAAAGGGAAATTTTGAATATTCAAAGGCCTTAATCCGNATTACCCGGT
NNGGACCTTTTCGNAAGGGGGGGGGGGC

Sequence 2428

AGGTGCAGCACCAAGCCCCCTAAACCAATGCTGCAGCCCTGTGTCTTTTGGCTTCAGGGCA
GATGCTGTGCTGAATGTAAAAGAAACGAACTCAACAGTGGTATTGTGCCAAACCTTTGA
AATACCATAAGCAAAAATAGCTGATCTGGCTACTCTAAAAGTTGTGTATCTTCTGTATC
CTGTCTTGCCCTGCTGCGTGTCTCACTGCACCTGACGACTTTTCTGTGCCCTTTTCATGT
ATTTAACAGGACAAGCATGAGAGCTCAGCCACCAGACTGCCAGTTCCAGCCCAGGCTCT
GTGCTCACTTGCTGTGTGGCCTTGGGTCACTTACTTGACCTTCCGTGCACATCTCCAC
ATCTATAAATGGGGAGAACCAAGGCCAGGGCATAGGCTCAAAGCCTATAATCCCAGCAC
TTTGGGAGGCCAAGGCGGGTGAATCAATTGAGGCCGGGAGTTCGAGACCAAGCCTGGCCA
ACATGGCGAAACCCTGTGTCTACTGAAAAATACAAAAATTAGCTGGGGCCGTGGTGGTCA
ATCTGTAATNCCAGCTACTTGAGAGGCTGAGGCCNAGAATCACTTGAACCTGGGGAGGCA
NAAGTTANNAGTGGGCCNNNATNATGCCNNTTGGACTTCAGCCTGGGACANANAATAAAG
ACTTNTGTTTNAAAAAANACCCCAAAAA

Sequence 2429

CCGCGGTGGCGGCCCGCCGGGCAGGTACGCGGGGGCGGGCAGTGGGGGCAACCGCGAAGA
CAGATTTTCAAACTTTTCACTCCAGCAGTTTCAAGGAAATGTCAAATGACAAGATGGA
AGACCGAGTGTCAAGAGCTAAGACAACAAAAAGGCCCCCAAAATTTGTTTCAAGAAAAC
CAATGAAAAAAGCAAGCAATCAGAACGTGAAGTCCAGGATCATGGATGTGCTTATCTTCA
CAGTCACTGCTGGGTCTTGAAGTTCTCTCTGGCCCACTGCCAGCTGCCAAGCCCTCTGC
CAAAGGGCCAGAGGAGGCCGGTGATATAGAGCTCTGATTACCCACCCGTCAGGGCACCCG
TGAAGGTCACTGAATACTTACTGTGCACCCGAAAAATAAATCCTGCGAGTTCACGCCCGC
GTAGTTCGCCCCCTGATTTTGAAGCACTCCTTTTCGATGGGATCTACAAAACCGAAGTGC
CTTAAAGACCTCTTTCACACNGACGTGAAGTCACAGAAGTGACAAAATCCCATC

Sequence 2430

ACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCGTCTGGGTTTTTC
ATCCTGGCTCCACCCTTCTAGCAAGTAGGCTGCTGCCTCATCTGAAAATTCATATAACA
ATATTCATTCCCTAAGTTTGTGTGAGGATGAATTAAGAGCTAAAGTCCATGCGTTGG
GAGAACCCTAGTGTGTTTGTAGATAATCCTTCCAAACATTGATTCCATGGGAGGGGATA
AATGATAAAAGGTAACAATAGCTAAGAGTGGGAGGGGGACCTTGTGGATATTGAAAGAAT

Table 2

CAGAGAATAGGAATGATGTTGGGAGGATGATGTTATCTCTGTCTAGCTTTNTAAGTGCTC
TTTGTCTCAAGGCTATGTATTGTAATGATGAGCTATTTGTGCGGAATGCCAGTTCTGA
AGAGATCCAAAGAGCCTTCGCTATGCCTGCACCCACGCCCTTCCTCCAGCCCAGTGCCAC
CCTCTCTCCAGAGCAGCANGAAATGTTGCAAGCATTCTCTACCCAGTCTGGC

Sequence 2431

CCGGGCAGGTACCGCGCCCAGCTAATTTTTTATGTTTGTAGTAGAGACGAGTTTCACCA
TGTTGGTCAGGATGGTCTCAAACCTCCTGACCTCAGGTGATCTGCCTGCTTCGGCCTCCCA
AAGTGCTGAGATTAGAGGCATGAGCCACCATACCTCTTTTGCTTCATCCATCCCTTAATT
TCTTTGCTGGAGCATTTTAAAGCAAATATCAGACATACCCTTTCACGCCTCACACTTCAA
CATGCGGCTTGTTGAAATTCGTGCTCCACTCCAGCAACTGCTTTCATCGGAGTTCCATC
CTCCGCCGAGTATGCCCTAACGCAGCGTTATCTTCAGAGCTACCACCAGCTTCCGAAAC
CTTTCGGAGGAGCGCTTCGCCACCACCTGCACGGCGAAGCGGCGCGTAAACGAACCTCCC
CCGCGTACCT

Sequence 2432

CCGGGCAGGTACCCCTATGCCAGGCACCATGGGAGGCACTGGGGAGATAATGTGAACAACA
GACAAAAAGCTCTGCCCTCATGGAACCTACATTCTGGTTGAGGAGATAGATTGCAGATAC
TTGAAAGGCCTAGTTGTTAATAATTTATACCTGCTAAGGAGGGAAAAATTAAGCAAGAAA
GGGTGATATGAAGTGTAGGGGGTGGGGATGCTGGGATGTTAGGGGAACAGGGAGCCCTT
GCGTAACTCTGGAAGGAAACAAAGTCAGCCATGCAGGAATGAAAGAACATCACGTTGGGC
AGAGAAAACAGCAAGTGCAAAGACCTGCAAGCAAAGAGTAGCCTGACTGGAACAGAGC
ATGAGGAGGCAAAGGGTGGAAACGGGGTCAGAGCGGCAGCCAGACAGCCAGCTCATACAG
GGCTTTGCAGATCAGTTAGGACTTCTGACCTTGGCTCTGA

Sequence 2433

GAAATTTGGNGGAAGACCTTCCCAACNCCGGCGGNGGTGGGGCCCGNCTCCAAATTGCT
ATTTTANACCAAAATCTATCGGAAGATNTACCTGCTTTGGGGCNCCTTGGGGGANAG
AAAAAGGAAAAAAGGTTTTATTCCCCACCTTTNACCAAAGGGTTATTACCGTTAT
TTTGACCAACCATTGGGAATTGGTTTTACCAAGNTNCCCAAANACCAAACCAAGGCCA
CCAAANAAATTCCANACCCCAATNGNTTACCAATTGGTTAACCAATTAAGTTGGNAAAA
NTTGGACGGTCCCCACCGTTTTTTCTTACCAACCGGCCTTACCAGGGGAATTACGG
GGAAAAGGAAGGCCTTGGGGCCTTCTTTTAAAGGGGGCCCCCAAGGGGGGCCTTCCAC
CAATTGGAATNTAATTGGCCACCTTTTGGGTTCACAAAGGCCAAGGCCTTCTTCCAA
GGTNGGGGTGGTNGGGGCCAATTCTTGGGGGGNAAATTTTCTTTTNTTTTCGGGGG
GGCNTTNCNTTGGGGAAGGGGGCCCCGGGGGGTGGGGGTNGGGGGGGGNCCCTNT
TTTTTTTTCTTTTGGGTNAAAAATTTTCCAAANCCNAAGGGCCCAATTGGGT
GGGGGAAAAAACCCCAAGGGCCNTTCCCCCTTGGGCCCAACCCAAATTTTNCCAAACC
CAATTTNCCGGGGGGTNNCCNTTTTGGGGGGCCCTTGGGGAAAAAAATTTCTTT
TCCCCCAANTTGGGAAAAAAGGGGGGGCCCCGNCCCCAAAAATTTNNTTCCCCCAAACC
TTTTCCCCCAAATTTCCCGGGCCCNAAACCNAAGGGGGGGTTTGGGGGGGGCCCAACCCC
CCCAATTTNCCAAATTTTCCCAAAGGGGGGGGGCCCCCAACCCCNNTTCCCCC
CGGGGGGTTTGGGG

Sequence 2434

ACTCACTATAGGGCCGAATTGGAGCTCCACCCGCGGTGGCNGGCCGAGGTACAAGTCAAA
AAAAAATAAAATAAAATAGTGCCAGACCATCCTTTACTTTTTCATGTCCTTGAAATGAG
AAGAGTAATGTACAAAACAGTAAGGCATCATTGGGAAGGTCAGCACCGAAGAGGTCA
GGCAAGGCTCGTCCAGACGGGGCTTCTGGGAGGGAGTGACCCTCACCTTATTGAGCTGC
GTCATGTTTGGTTCTTGAGGGAAAGTTGCAAGTCTTTTGCAGGGGTGGACCCGCATCAC
CCCACCCGGNAAGCTTGGGGCNGGGGGACCGCCTGGGAGGTGTTTGGTGTGTGGTTTCT
AAAACCCCTTCAAAGGGACNGAAGNAANGGGGAAGGGCAAGGTTCATTGGGCTTCAACC
CCCACAATNGCCCCCGCGNTACCTNGGCCCGGGGGCGGGGGGCCNNGNTTTTTT

Table 2

AAGAAANNTTANNGNGGGGNATTCCCCCNGGGGNCTTTGGCNGNGGGNAAATTTTCTT
TATTTTNAAAANCCCTTTTANTTTNTATATACCCCGGCNNNANNCNTCNCAAANGGGG
GGGGG

Sequence 2435

AGGTACAAGTCAAAAAAAAAATAAAATAAAATAGTGCCAGACCATCCTTTACTTTTTTCAT
GTCCTTGAAATGAGAAGAGTAATGTACAAAACAGTAAGGCATCACTTTGGGAAGGTCAG
CACCGAAGAGGTCAGGCAAGGCTCGTCCAGACGGGGCTTCTGGGAGGGAGTGACCCTCAC
CCTTATTGAGCTGCGTCATGTTGGTTCTGAGGAAAGTGCAAGTCTTTTGCAGGGTGACCG
CATCACCCACCGGAAGCTGGGGCGGGGACGCTGGAGGTGTTGGTGTGTGTTCTAAACCC
TCAAGGACTAGAAGGGAAGGCAAGGTCCATGGCTTNCACATGCCCCGNGTNCCTTNCCTG
GGCGGGCGANTCTNANAANTTGGGGGAATCCCCCTGGGGCNGNAGGGGAATCCCCCTN
TCGGGGCNTNTNGGGGTTNCNCGTNAANCNNGNNGGGGGGGCCCCCNGCCCCNNNNNT
TTTTNTTCCCTTTTAAANNNGGGGGGTTTNNNTNNNCCCCCCCCGGGGGGGNTTTTTNTT
TCNTNTNNNAAAGGGGGGGGNTTTTTTNGGNNTTTTTNCCNCNAAAAANGNGGGGGGNA
NCCCCCNCNAAAAAANTTTTTNTTAAAAAAGNCCNCCAAAANGGGGGGGGCC
CCCCNAAAAAANGGCTCNTTTTTTTTTTTTTTTTTT

Sequence 2436

NCGGAATTGGTAGCCTCCACNCGCGTTGGCCGGCCCGCCCGGGCAGGTACCGCGGGGAAG
TAAGAGGGAAGTTTGTGCTGATGGCATCTTCAAAGNCTGAAGTGAATGAGTTTCTTACT
CGGGGAGCTGGCTGAAGATGGCTACTCTGGAGTTGAGGTGCCGAGTTACNACCAACCAGG
ACAGGAAATCATTTATCTTAGCCACCCAGNAACACCAGGAATGGTTTCTTGGGTGNAGA
AAGGGGCCCGGGCCGGGATTTCGGGGNAACCTGACCTGCTGGTAGTTTTAGGAAAGGA
GGGNTTNGGCTTTTTTCCAAGGAGGGNCACGGTTGGTTAAGAAAGCCTTTTTATTGGCC
TGAAAAAAGGGGTNGGGCCCCNACCTTAANAAAGNGNTTCTTGGTTGGTTGGCCCCAA
TTTTGGCCCCCAAGGGCCCAGGGAAGGTTCTTTCNTTGGNCGGTTTTACCNAAAACC
TTTCCCTTNAAGGGGAGGGGGGCCCTTTTGGNCTTTGGNTNGCCCCGGGNAAGGGGGGGC
CCCTTTGGCCTTTAATTGGNGGTTGGNTNGGCCCTTGCCCGGGGTTTTCCAATTC

Sequence 2437

AGGTACAAGGAGTTTGTAGGAGGGAAGGTGGCAGTTAATGAGCCTTCCTGGTGGGACCGG
ATGGTGAGGGCAGGGGCATCTGGCCAGCGTGACTCGGGCCATAGATGGGAAGTGGTCA
TTTGAGGTCACCATCTCTGACACCCTGACCATAGCACCTGCACCCCTGTGCTGAGCT
GCAGGTCCCCGGCACCAGCGTTCTGTGCAGCTCAGGTGTTGCTGAGCACGTGGCCTCCGC
AAGCTCTCCATCAGGATTTCTCAAGCTTNAATTCTGAATTATCTCTGNGTGGAGCTCACAA
CGGTGACCTGCAAGAGGTCCCCAGGTTTCATCTTNTCAGATCTTCTGAAATCAAAACAAT
TATGGTTCTGCAGTTTGGCCGCGCCATGTCTTTGGCCCCGATTTTCTTGACAAATCAA
AAGTGAAAGAAGTTTTCTNGAAGCCTACCGGGGAAAGGTTTGGGGGTTTGAAGGGGCAT
TGNATGGGGGGAAAAAACCANTGGAATTTAAGTTTTGGACCAAGCCTTTTTNCCCCAA
AGAAGAAAGTTTTTTTAAGAACCAAAAAACCTCANAAACCCTTNGGTTTAAACCCTTN
TTCNAGNTGGGGGCTTTATTNGAATAAAAGNAAACCCCTTCAAATNGTTGCCCAAAA
AAAAATAAAAAAAAAAAGGCCCGGCCACCTTCCCANGGGTTNANGTTTAAATTCNTTT
GGTNTTNAAAAAAAAAACCCCTTTCC

Sequence 2438

AGGTACCAGTGCCGCTGGGCACACTGGCTTACGCCGGCTCCACCTCACCAGCAAGCGCA
TCCCAGAGGAGAAAATGAGACACTGGGTGGGACTCAGGGATTGCTCCAGGCCACACAGT
CAGCAGGAGGCAAAGCCCAGATTCAAATGCAGATTAATCAGCTCCACAATCCACATCCTC
ACAGGAGGCTGCACTCCTTGCCCAAGCGTCAGACAGGAGCAAAGAGAAAGAGCAACCA
GCTGGCTACTTTCTTCCCTTCTTGATGCCTCCAACAGGGTGAGGAAGGACTAAACAAAT
GACCAAGTGTATCCCATTTTGGACATACTTAAACACCCCATGGAATTTTTATTCTGGA
CTTCTTCTGCCTGTGTGGCATTATGTTTAAATAAAAGGAGAATTCAACTTCGTGGAAA

Table 2

AANANNATNNAAAAANAAAAACNNGGTTCCTGCCCGGGCGGCCGTTCTAGAACTAGTG

Sequence 2439

GTCAAGAGACATCCATACTGCAAGATGATAGAAAGGTAAGTGGAAACCAACCACCTCATT
CTCTACCCTCATGTCTACCACGGACAGCTGAACCTCTCCCTGTGGAACCTGGAAAAGTAG
CTCAGAGAGGAGTAGCAGGTGGCAAGGAACATCAGGGAAACAAAGCTAGAAGGAGCATGT
AGGCACCTTTGACCTGAAATAGACAAGATGCAAGATCTCAGGATTGTCAGGGACCTTAGG
AACCATCTAGGCCACATCCCGGCTTTGGCCTGCAGTGCAGGCAAAGGGTTTGCCTCTGCC
AGCCATCGCATCCAGCTTTGCTGTAGGTGGAATCGGGCCTGTATGTGAGTTACCAGGGTT
GCAGAGGACACTGTGGTCTGGGTGGCAGTCTGGTGCCACATGGCANAATTCATCACAGTA
GCAACTTCCCCCTCTTGCAAGCGGTGGACCGTCCCAAGACAGCAAAGGTTCTTGGGGGTTG
GGGAGCAGCTGCCTGGAGAAAAAAGGAACATTTAAAAAAAAAAAAAAAAAAGA

Sequence 2440

CGGGGTGGCCGGCCGCCCGGGACAGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAG
GTCAGGAGTTTGAGGCCAGCCTGGCTAACATGGTGAACCCCTGTCTCTACTAAAAATACA
AAAATTAGCCGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCA
AGAGAATCGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCCAGATCGCGCCACTTGC
ACTCCAGCATGGGCCGACAGNAGCAAGGACTCCATCTCAAAATAAAGGAAAGGAAAGGAA
ACAANGTAAAAGNAAAAGCCTTTATTATTGGAACCTCTCAAAAAAAGGAAAANAAGGA
AAGCCCTGGATGCCACACAAAATCTAAAATTTGGCAAGGTGCAATCAATTAAGGGAT
NTTTANTTTCATTACAAAAAATAAATCTTTTACTCCCCCCCCAAAAAATCAAATAA
AAAAAGGTTTCAAAAATTAGGCCAAACTTTTTCCCTA

Sequence 2441

AGGTA CTGGGATAAA TGAAGAAGAAGGCATAAGGACAATAACATGGA ACTCCACTGCAA
ATGGATTTTATGCAGCTGAGGAAAGTTTGGGCTTATTAGTATTTGCTCCAGCGAACCTCC
AAGTTTTCTCATTGCGGACAACGTA ACTACCAGCTCCTTGGCTCAGTG GTTACGCCTCC
ACTCAGAAGN TTTCCCCAGTAAGGTTCTTGTTCA TTTTGTGGGCACCAATAAGGCC
CTNNAATTACAAGGGTGGATATTAAGGGGCCCN CATGGAGCCGCTCNCTCACATTTGTG
GAAAACCAAAAATAATAGGTATTCATTCATTTCTGGGGGCTTTTCTTCCATCACCAC
TTGAGGGGAAGGACAGGAACCCATTTTAGCCACAAGTTGGACAATTTGGGTTGNAAAAAT
GGTTTTTCATTTGGATTTCTACCAAGGAAGGTA AAAATT

Sequence 2442

AGGTACCCAGCCAGGCGCACGATGTCGTGTAAGCAGGGTATCCTTGTGCCAGCATTTCG
TTCTCTGTGAAAACACAGCGCCGTC AACATTTT GCACTTTCCAGGGCCCTTCGGAATTGG
AGGTGCCTGTAGCTAAGCTGTTTCCCCTGGAGAGTCCAGCTGTTTCCCCTGGAGAGTCCA
GCTGTTTCCCCTGGAGAGTCCAGCTGTTCTCCTGATCCGGCCCTGCACACACACACCCAG
CCACAAATTACTAGGATGTCAAACCCAGGTGATCAGGATACTCTACGGACTGCCCTGCT
CCCCCAGGGCTCTCCCTACAGTGTAATCCTAAAGCCAAACTTCCTTTCAGCAGTGGCTGA
AGCAAACCTCTGCAGTCAGAGGTCATACCCAGCAGGCTTCACCATGCAGACTTGAATGTTG
ATTTGAGGGCCTAGCTGCTCAGCACAGGGCATTGGGAAAGACAATGTGTACCTGCCCG

Sequence 2443

CCNGCGGTTGGCGTGCCGAGGTACCCGTGCCAGGAGGACGCCGAGCTCCAGCCCCGAGC
CCTGGACATNTACTCTGCCGTGGATGATGCCTCCCACGAGAAGGAGCTGATCGAAGCGCT
GCAAGAAGTCTTGAAGAAGCTCAAGAGTAAACGTGTTCCCATCTATGAGAAGGAAGTATT
GGCCAAGTCCCCATGTGTTGACCGCCCGGTGGAGCCAGTGTTGCCACGTGGAGGGAAAGG
GGGNCAAAGGGATTGGGGGAAGGCTNGTNGTNGACCTGTCCCCCGGAGGGAAACCCTT
CTCTGCCAAATTTCTTTCTTTCCCTGGAAGGTGGCTTTTATGAAAGGGGGGCGNTCC
CCATNTCTTTCTCCCATTANCAATCCCCCNCAATCCCCCTTCTTACTTTTTTCCCCCCC
AGGAAGGGAATTACCAACCCTTTTTCTTNCCCCTNGGGAAGTTTTTGGGG

Sequence 2444

Table 2

CCGGGCAGGTACGCGGGAAGTGAGTTAAGTCCAGCAATAACTATATCTCTGCATATTTG
GGCCAGGAACAGCTGAGGTGAACCAGGATAACTGAATTCCTCCCTGTGGCTGGCTTTAT
TTGGTTACTGTGAAAGGGACCTATTTCCAGCCCAGTGAGGGCACTGGGGCTGAAGAGTGT
TCTCTAGAACCCCAGCCAGTCTCAAGTTTCATCTCTCACCTGTCCTGTAGGTGAGGAGC
CTGAGTGCAACGACATCACTGCCAGGCTGCAGTATGTCAAGGTGGGAAGCTGTAAGTCTG
AAGTAGAGGTGGATATCCACTACTGCCAGGTAAGGGCTCTGCTTCAATAAGGGCTGGGTG
TGGAGGGCTGAGCCTCCGTGTTCCGATACCTATCCTTAGTTGCATTCTAGAAGGATCTGG
AAAATTCAGGGAAGAGAAGGGAAAAATAAACTGGGAAGCATTTTTTTTTTTAAGCAAA
TGGTTGTATTGGAANTAACCTGGAAAAATTTTTGACTTCNNGGAAAAAAACAAAAA

Sequence 2445

GAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTAATACAGTCATTACCTTT
AAAATTATAGCAGCATGCCCAACAAGACACAGTGGAGGCAAAGGGTCGTTGGACAGAAT
CAGCTGAATGCCAATGTTAGTTTTGTTTCCTTAACGTGTAGTATCGGTTCCAAATGGAAT
TGAATCATCAAGTATGCTTACCTGGTTTATTATGCCAAGTAACAAGATTGGCCAATCCTT
CTTATTTATTGTTAGAACTATAGAAGAAAGCAGCCAACAAATGATGATGGTTTTTCAG
TGACTCATGCCTCCTTTGATTAGAATCCAATGTAGCCTACTCCTTATCCTGGCATCATTA
CTAGATATTGCCTTTTATTTTACTAATGGAGCACATGAATGGATAGATTTTAAAGAAAT
GCCTAGGCTGGGCGCAGCAAGTTCGCGCCTGTAATCCCAGCACTTTGGGAGGCCAAGGCA
GGCGGATCACCTGAGGTGCGGAGTTTGAGACCAGCCTGATCAATATGGAGAAACGCCGTC
TCTACTAAAAATGCAAAATTAGCCCGGTGTGGTGGCACATGTCTGTAATCTCAGCTACTT
GGGAAGCTGAGCAGGAAAAATTGCTTGNACCCAGGANGTGGAGGTTGCAATNAGCTTAN
AATGCACCATTCACCTNCACCTGGGCAACCAAGACGAACTCCATTTCAAAAAAAAAA
AAAAAAAAA

Sequence 2446

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATCAAGGCTTCTGGCTCTTGGCAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTTGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACTGAGCATCCTATGAAATACACCACTGAGAAATTCCTTGAAATTTGCAAG
TTGTCTGGGTTTATGTCTAAGCTTGTTCAGCTATCCAGAATGCCACAAGAATTCAACT
GGATCTGGAAGAAGGAAAGAACTGATGGGGGTAAT

Sequence 2447

CCTCCCCAACNCCGNCNGNTGGGGGCCCGGGGCNCCGNAAGGGGTTTACCCGNCCCCG
GGGGGGGAAAGGAAAGNTTAAGGTTTGGGGGTTTTCTTTNCGGGCCNAGGGNGAACCC
CCCCAAGGCCAACCNGNCCAAGNCTTTGGGGGAAGGGTAATTCCTTTGGGAAGNAAAA
CCNNGGGGAACNAAGGGAACCTTGGCCCCCTTCCCTTTCAAAAAGGGTTGGGGGGTTC
CCCCAAGAAACCCCCNTTNNGAAAGTTNAGGCCCTTAAAACTTGGGGGAAAGGGG
GCAANCCCCCCCCNAAAAGTTNAANGGGGGGCCNAAGAACTTTTGAAANAAACCTTT
TAAAAAAAACNNNCCCCCGGGGGGTTTACCCCTTTTNGNCCCCNCGGGGGGCCCGG
GGGCCCCCGTTTTTNTTAAAAAAAACATTAAGGGTNGGAGGAAATCCCCCCCCC
CCGGGGGGGTCCCTTGGGCCAAGGNGNAAAAATTTTCCCGGNAATTAATTTTCCAA
AAGGGCCCTTTTTTAATTTCCGGGAATTAACCCCCCGGTTCCCGGAACCCCCCTTCN
GGAAAGGG
TTTTTTTTTGGTTTTTNNCCCCNTTTTTTTTAAAGGTTTGGGGAAAGGGGGGGGGTTTT
TAAAAAATTTGGCCCCGGCCCCGNCCCTTTTGGGGGGGGCCCGGTTTAAAAATTTCCA
AANTTGGGGGGGTCCCAAANTTAAAGNCCCTTTGGGTTTTTTTTTCCCNNTTGGTTGGG
TTGGGAAAAAAAATTTTGGGTTTAATTTNCCCCGGGCTTTCNAACCAAAAAATTT

Table 2

TTCCCCACCCAACC

Sequence 2448

CCGGGCAGGTACGCGGGATCCTCCCTCCCTTTACTTCCTCACTGTGCAGTCTCCCTCAAG
GATCTACTGTGAAAGGTGTGTTTGTAGTGATATCCAACCTAACTCAGTAACGAAGTCGT
ACTTAGCTCTTAGCTGTGAAATAACTCTGGAACTTCCCCACCCCAACCATAAATTCTTA
CTTATAAGAAACAGGTCCCCAACTGGAAACAGCTTAGTCCAGGCCTCAGCGAGAAGGA
AGGACACCATGACTGCTCCATGCTGGGCACAGCCGGGCAGTCTTGCCAAGTGCCTGCTGG
AGGCTGTGCCGGCAAGAGACCTGCAGCAAGGAGATTCCCTTCCCTCGGGCCATTATCAAT
ACTGTCTTTATCTGGAGGTGGGGAAGCCGAGCCCTCTTGAGACAGCAGGACAATGGTCA
GTTCAAGAGAGGGTGAGGGCAGCAACGCTTCAGAGGGACACAGAAGCCAGAGGACCCCCC
CCCCCACAGCTGGGTGAGCCTGGAAATCCATCTATTAGGGACTT

Sequence 2449

ACCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTNTNNGGAGACAGAGNCT
CNCTCTGNNAACCCAGGCTGGAGTCCANNGGTGCNATCTNANCNCAATGAANNCTCGNCT
ANCTGGNCCACACCATTTNTNNGCCTCAGCCTNCCGAGTAGCTGGGATGGGAGGATTACA
CAAACCCAGGAGTTCAAGGNTGNANAGAGCCGGGANCNTGGCNCCTGNNNTACANANTGGG
CAACAGAGAGATGCCCTGNCTCNTAAACAAATAAAATAAAAGGNATGTGTGATGTG
TGNGTGNGCACCTGCNNGGTGNGTGACACCNTTTTNTATTGNGCACCAGCCACCGATGGGGA
ACTTTATGCAAGGTGTGTTACCTTTGANCTTGAGATCAGCTCATAGAAGGCCTTCAGCTC
TTCCANGGTTCTTCTTGGTGACTGATTAGACCAGGACGAAANGCGTGGGCCNCGGGCTA
TAACGTGGGCGCTGCAANCGCGGTTNCCGGTCGNCAACTCTTGCTGTGCGGTGATGGTGC
CAGGGAANGCACAAACCGNGGGCTTGCAAGCCCCANNCAACTGGCNAGTAAGGTTATTTT
NAAANGGTNNGGNAAGGTNACCTTNGGNCNGNTTNTAAACTTAGTGNAATCCCCCN
CNGGNCCTGNNNNNAATTTNNGAANNTAAACNTTNTNATNACCCGCTNNANCCTTTAN
GGGGGGGGGGCCCG

Sequence 2450

AGGTACTTGTCTAAGGCTCTGGCGGCTCCGCGAATCTCATGTGCTGGGCCATCATGGACG
AGAGTGGTCTTCAGCACCGCTTGTAAGCAGTGTTAAACAACCATCACACCGCCAGCAGCA
ATGCCCTCCTCAGCCACCAAGGCAGGCCACAGGTAACGAGTGATGCCCCATCTTGAACGC
ACCCAAGCCTCCGCCTCCATAACTCAACAGCAGCAGGGAAAAAGCATGGTCTCAATTCTC
TTGACAAATCTCAGAGGTATTATACTCTTATTCCAACCTACATCTCCCTCCCCAAAGAAGC
GCACACAAAACAAATTTTAAACCTTATGTTTTCTACGGAAACCTTACCTCAAAGTGATGCA
CAAACTGAAATTTATATGGCTGCTTAAATGTCACATCCTGGCTCCTAGCAGGGAAACAA
AACGCTCTGAAGAGAGGATGGTTCTGCTTGAGGGGGAAAAAGTCTGTCTTTCTTAGCAG
TGCTCCTTCCCAATAAAACAAATGATCCAGGGAATTTTGACCTGCCCN

Sequence 2451

AGGTACAGATTGTTTGGACNGATNGANGGGGNGGACTTGGGAAACTAANTTTTGTAGT
TTTTGGTTTCCTGATGAAAAATTTGTAATTTCAACACATAAGCAAAATAATTAGACATCT
GGCCTAGTGTTTGACAATTTATATGGTGATTTTCATCTCCTTTGTCAGTCCTGTCAATG
TTCTATGTATATCTTCCAAAACCTTCTGGAAAATTAGNAGCAGGGAGGTCACCGATC
ACCCTACAAATTTCTCATNGTTTTATGGACCATCAATTTTTTACCCAAAAATTAGTGGC
CAAATTTCCCTCAAAAAAATTTGTCNTCCCCTGCCTTTCCAGGGAATTTAAGTTCATT
CCTCCCAAACCTTTTTATNTCCTTCCAATTTTCCCAGGTNNGGGGAGGTCCTTTCTTA
AAAAATTAATTTCCATTAATTGAAATTTTGGTGGCCTTGGCCTTTTTCCCTTGGTTGTT
NACCAACCAANGGAAATTCCAAAGGTTTCNTNACCACCTTCTTTTTAAACCAATTTGGN
TGTTAACCTTTTCNGGGCNCCTGGCCTTNTTANGAAAACCTTAAGGTGGGGAATNCCCCC
CCCCGGGGGCTTGGCAAAGGGAAATTTCCCGAATTTTCCAAAGGCCTTTTATTCCCG
AATAACCCGNTNCCGAACCCCTTCTAAGGGGGGGGGGGGGCCCCCGGGTTANCCCCCA
AATTTTTTTTG

Table 2

Sequence 2452

TTTNGGGGAAAGGCCCTTCCCCAACCCCGNCCGGGGTTGGGGGTCCGNGGCCCGCGCN
CCCCGGGGGGCCAAGNGGTAAACCTNTNTNTNTNTNTNTATNTNTNTNTNTATATA
NAATNNNAAATNTGTATNTNTNTNAACANAGANAANAACANANCGGTCTTTCTGGG
GTNCAGACACTCNAAGNGGCCTTNGNGNANAAGATTGGCAACATTGNGGTTTGGCCCGNA
AATTCCTTCNGGGGCCTTCAACATTGGCNAAAAAGGCCTTCCTGCCCTTGGTTNAAAAA
GGCCCTTCCCCNGGCACCTTCNCCGGGGGGNGGTTTTCAAACCAGGCCNCCAATTTTC
CTTCCCTTGGGCGCCTTACAAAGACCCNTTCCCCCAAAAGNTTANGTCCTTTNGGG
GGGGAACCTTTANCCAAAGNGGTTAACCCCTTCCGGGGGGCCCCGNCNTTTCNTTAA
NAAAAAAACNTNAAGGTTTGGGGGGNAATTCCCCCCCCCGGNGGGGNCCCTTGGGC
CAAAGAGGNGAAAATTTTCCNGAAATTTANTTCNAAAAAGGGCCCTTTTNTANTTCG
GGGAATTTAACCCCGGGTTACCGGAAACNCCTTTTCTGNNAANGGGGGGGGGGGGN
GGNGGCCCCCCCCGGGNTTAAACCCCNCAAAACCTTTTTTTTTTNGGTTGTNCCC
CCCTTTTTTTAAAAANN TGGGGNAAGGGGGGNTTTTAAAAATTTTGNCCCNCCCNCC
CCTTTTNGGGGCCGGGTTAAAAATTNCAANTTNGGGGGNTCAAANTTAAAGNCCT
TTNGGTTTTTCCCTTGGGGTGGGTGGGNAAAAAATTTNGTTATTAANTNCCCCG
GCNTTCNAACNAAAATTTCCCCACCCAACCAA

Sequence 2453

GCGGGAGGCTGACGAGAGCCGGGAGGCGTTAGNGNAGGAAGAGAAAAACCNAATACTAAN
TCCACTACAGCGTCGACGCGCGGCGGCGTCTGCTTTATAGGAGAGGGCGCAGGCCCCC
GCGTACCT

Sequence 2454

CCGGGCAGGTACCCNGNGAGTCAGGCCTNAGAAAGATGGCGNNCTAAATANNNTTNCATA
NCAGCCGAGCCAGCCAAGCTCTACTCCAGGAAGTGAAAATGTGCTGCCTCGAGAGCCGCT
GGGACTTGCTGTGCTCAGGCTGGAGTGCAGTGTGCAAAACACGGCTTACTGCAGCCTT
CACCTTC

Sequence 2455

CCACCGCGGTGGCGGCCGAGGTACAGAGCATAGTGAAGCATGATGGGNGGTAGTATTAGG
AGAAAAACNTTNTCAAATTAATTTAGCNGAGTTATTTGAGCAAAGAAGTGACTCATG
AATCGGACAACCTCCCTAAACCAGGAGAGACACCACACGGCAGTATGGGCAAGCAGTATTC
ACAGGCAGAAAAAGGAGGTGACATACAGAAACAGCCTGGCTGGCCACAGATCACAGCTTG
CCTTACTTGGTCACAGTCTGAGGAGCTAGCAAGCCTTGTGGTGGGACTGAAAGCCCAGCT
GCTCTTGATTAAGCCAACATTTGGCTACTTGTGCGCAAGGAATCTATTCATCTTGGGCCC
GGGGTTGCAGTGGGCCTNACGCCCTTGTAAATCCCCAAGCACTTTGGGGAGGGGCCAAGG
GCCGGTGGGGATCGCCCTTGGGGTCGGGGAGTTTTGAGACCAGCCCTNGGCCATCGTGG
GGGAAACTGGNGTCTTCTATTTAAAAAGTTGCCAAGGAATTTAGCCTTGGGGCCATTGG
GTGGGTGGTTGTTGCCCTGGTTANTTCCCCCGGGCTTGCCCCGGGGCCCGNCCCGGT
TCTTANAAAACCTAAGGTNGGGATCCCCCCCCGGGGCCTTGCAAGGGAAAATTCGGAN
TAATTCAAAGCCTTTTAATTCGAATAACCCCGGTCCGGACCCTTCAANGGGGGGGGGG

Sequence 2456

AGGTACCTAAGTCAGAGTTCATATGGGGGNNNGGACTTTTTANCTGNNAAAATNNTGTTT
CCACATATTAATGCATGTGGCGCTACCAAAGCGCTGTGTCAAAAGTGTCATCATTTGTCA
TCAGCATCACCTGCCAGAAAATTGCACAGCACGGNGGTCTCAGCATGTGGGCTCTGTAGC
TGGACTGCTCAGATTCAAGTCCTGGCCTTACCATTACGGGGCTGTGTTGACCTTGAACA
AGTGATTGGCCCTCTCTGTGCTTCCAATTTCCCATCTNGTAAAGATAGGGAATAACA
CATCTTCACAGGNAGCCATGNGAGAGGCTACAAGGTTAGTAGTAAGGAAAAACACTTAG
GCTACCACAATAAGTNCAAGCNTCACTAAATCATGGTAGNTTGTACCATTTCTATTTT
TATTAAGAAAAGAACACCAGGAAAGGGTNCAAGGGGTCAAAANTGGAACCCCAAGCCTTG

Table 2

GTTCCCGGTTGGGNAAAGGAAGGGGGTTTTTTTAATTCCTTNTTGAAGTTCNCNTTAA
GGNACCTTTTCNAAAANTTCTTAAGGTTGTTTTGGGGGGGGGGTTTTAATTCCTNCCT
TNCGGTCCCCCNGCNTTNCCTTCAATTCCTTTNGTNCACCCCCCTTGCCCTNCC
TTAAANTTTAAATCCTGGGNTTAAATAACNATTCCTNNGGTTNGGTNCCCCTTCTTAA
AATGGGG

Sequence 2457

GGTCTCGGTCACTCGAATAACCCGACATGGNGTCAATGGTTGCGGTTGGCCGGNGAACGA
AGTATATAGAAAAGCGTGCGACAAGTCGCTGGAAATGGCCTCGATGACGGCGAAGCCTTG
CGGGGGCGGCAGCGGAGGAAGGACACCGATGACACCAGCCGAAGCTGCACTACTAGAGAC
CGGTAGAAATGAATGAGGTCCCCGCGTACCTGCCCG

Sequence 2458

CCGGCCGGGGGTTGGGGGCCCCGNGGCCCCGNAAGGGGTTAAACCTNTNTNTNTNTNT
NTNTNTNTNTATNTNTNTTTTTNTNTNTNTNTGTNTNTATNNNNNGNGGNNCCACCNTTA
AACACATATACANANNAANANGATNCTNTGTGTTAAGNNTNGAGTGNTNANANTTNNGG
CCNGCCNGCCCCCTTGGCNTNGGCACCTTTTNCCTTTGGGGNAATTNGGTGGNGGTTAAN
NCACCGGTTTTTCTNCNAAGNGGGCGTCCCCCTTTNTTTCGCGNGGNNAAAATTCCGTA
AAAACCCCTTGTAAATATCCCCCNCGTACNAACACCCCGGTTGGGGTTCCAACCCCAA
TTGGGGGGTTAAGGGGGGCCAAACCCGNGGNNNGGAAACCTTAATCCCCCAATTTCCGNAA
AAAAAGGTTTTTGGTAATTAAGGNGGGGGGCCAAGAAAACCCGTTTTTCCGNAAAAA
ATNGGGGGGGGTTNCNGGTTTTCCNGNCCACNGGCCCNNAACNNGNNGGNGGCCNCCCCC
GGGCTGGTTNAACCCNCCTTTGGGCCCCCCCGGNGGGGGTCCGGGGGGCCACCCNGNCT
TTTNTTANGGNNAAAAACCATTNAGGGGGNGGGGGGGGAAATCCCCCCCCCCCCCGG
GGGGGTCCNTTGNCAANGGGGGAAAAAANTTTCCGNNAATTTNTCCNAAAAAGGG
CCTTTTAAANTCCCGAAATTNAACCCCGGTNCNGANAACCCNTTCTGNTAAAGNGG
GGGGGGGGGGGNGGNCCCCCNGNGGGTTAACCCCCCAAAGGCCNTTTTTNNGGTT
TNCCTTCTTTTAAAGTNTNGGAANGGGGGGGTTTTNAAAAATTTGGGNCNGCCCN
CCCTTT

Sequence 2459

CCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGATTGTATTGTGTTGTGATAATTGCTA
GGAGTAGATTTTAGGTGCTCTTACCACATACAAAAAGGGGGGGTAACTATGTGTGATGA
TACGTTTTATTGCTTGACTATAATAACCATTTCACTGCATATCAAAATATTATGTGGTA
TGCTTGATACATAAAATAAAATACAATAGCCCTTTTAGTTTAAATTTAGTAATACAA
TCTGATAAAATAAAGATAAAATTAATATGTAAGAATAATAGTAACTGGCTGAGCCACCT
CGCCAGCGGCATCAGGCTTCTTAAAGTGAGAGCACGCTGTACCT

Sequence 2460

AGGTACTAGAAGCTAGAATAAAAACAGAATAATGCCTCAAATACTCAAAGGAAAAATGAT
TGCCAACCTAGAATTTGTATTGCTAATTTCTGAATGACATAAGGATTAAAAACAAAG
ATAAATAAAGTATTTCAAAAAACACACGGTTTCAAATTCCTTCCACTCATACACTTGT
GGTTCATCAAATAAGGGAATAATCAAGAATGAAGATAGCATGAGATTGAGAAATTGGA
GGATTCAGTGCAGAAGAGAGGCAAGGTAATCCCAGAACAAATGAAGTTGAAGAAAGGGAT
AACACCTGAATACCAGTCCCATACAGCAGCCAGTCTGAGTTTTGGAGGAGAAGGGAGGA
TTCCAGGGGAAGGTCTTTCAGAGAAAAAAGATAAGTTGCAATAATGGATTATCCTATATG
TTCTATTGTAGAGAGNTATAGAAGAATTAATGACAAGAACCCAGAAAATTGTGCAGCTT
TCTTGAAGAGGTGCTCAATTATNCNAAAANNANNNNNNTNTNNNNNNNNNGTCTGNCCG
GGNCGGCCCTTNTANAAGTAGTGGATCCCCCGGGGCTGNNGGAATTCGGNTNTTCAAG
CTTNTNNGATCCCCGTCNACCTNGANGGGGGGGGGCC

Sequence 2461

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGACTGTCTCTTT
TCCAGAGCTCCTGAGTTCATACTCATAGGTGACAGAGTGGGACTCTGTCTCAAAAAA

Table 2

AAAAAATCAGCATTTCTTCTCTGCACCAGAATTGAGGCGCACAAATGCTTCAGTTTCTA
GGTAACATAAATTATCCTGCCAGACTAATACGATGACGGGAGTGCTAGTGGAGACCTCCT
GGAGACAGCTGAGGGTCATAGGTCAGGATTGAGTTTGACAGCAGGGAAAACAGCCTGATA
CGGTTTGGCTCTGTGTCCCCACCCAAATCTCATGACGAATCGTAATCCCCAGTGTTGGAG
GAGGGGCCCCGTGGAAGGCGACTGGGTCATGGGAGCGGATTTTCCC

Sequence 2462

CCGGGCAGGTACGCGGGGCCGGGCGCGGTGGCGCGTGCCTGTAGTCCTCAGCTTCCCTCA
CAGGCATTCACTATCACTCCCAGCTAATTAATAATTTGTAGACGGTGTCTCGTTATGT
TGCCAGGCTGGTCTCGAACTCCTGGGTTAAGTGATTCCCCCGCTCAGCCTCCCAAAG
TGTTGGGCTTACAGCCTTGAGCCACTATGCTTGGCTCAAAGATATTTTATGAAAGCCCT
GGGACTATAGATTTAGCTGATTAATTTATAGAAAAAGTCTGTCTATATAAACTGGCAAA
GTCTGTTCTTAATTAATTAGCCAAATCAGACTTAACTCCGTCAGAACATGTCTTGGT
TTAATTCAGATAAA

Sequence 2463

CCGGGCAGGTACAAAAGCACAGCAATATTGGAACAGTCATCTGATAACCCAGACAGCTAC
TAAGTGACTAATGGGTGGGCCGTGCATACAGCATGAATGTGCTGGACAAAGGGATGGTTC
CCATCCTGGGTGAGGCAGAGCAGGATGGTGAGAGACTTCATCAAGCTATGTTAGTGAGCT
GGGGCTGCTGTAATGAAATATCATAGACTAGGTGACATAATGAGAAATTTATTGTGTCAT
AGATCTGGAGACTGGAAGTTCAAGATCAAGGTGGCAGCAGCATTGGATTCTCTCATGTT
TCTACCTTGGCTTGCAGATAACCGCCTTGTCACCGTGTCCACACAGGGCCTTCTCTGT
GCATAGCCCTGGAGTCCCTCCCTCTTTAAAGGACACCAGTCATACTGGATTAGGATCCC
ACCTTACAATCTCATTTAATCTTAATTACGTCTTTAAAGGACCTGTCTAAATACAGTC
ACATTCTAAGGAAC TAGGGGTTAGGGCTTC

Sequence 2464

TTGGAGCTCCCCGCGGTGGCGGCCGTCTCCGATCTTTACACGCATTCTTNGTGTTATCTG
AAGACACTCTGATGCCACCACCCAAAGCAACTGGCAGTTGACTCTTGGCAATTTAAGCT
TGTGTGGAAGCAGCCGCCGCCGCTAGCTCCTTTTATCTAGAGACACTCAGGATGTGG
GGGACACCCCAGCAATGCCATCCCTCCTTTGACCTCCAGAGCGCGCAGAATTATAAGTT
GAGTAATACTTTATTTGAAAAAATGAAAAGTGACACACACACACACACACACTTACA
TAGGCACAGGATAATCTGGAAGTATGACCAGCAAATGATAACTGATTCCCTCAGGGGAGA
AGAAACTGGGTGGCTGAAGGACAGGAATGA

Sequence 2465

CNCCGGNCNGGGGTTGGGGGNCCGGGGGNCCCCGGAAGNGGTTNAACCGNCCCGNNGGGG
NGTCCAAANGGGGNAAACCAANANGGNAAGGGGGAAAAGGAAGGCCANGNGCAAANAAG
NAAGGNAAAAGNCCACGTAAGNAAGTGNCAAGGNAAGGCCCCCGNCTAAGGTTCCGGCCA
AGGTTCCGGCNAAGGCCNCCGNCCAGNCCAAAAGGNAAGGTTGGAAGGAAAGTGGAAGT
CCAAGGNAAAAAGNCCGNAAGGNCCAAAGNCCATAAGGCNGNAAGGTACCAAGGCCAAA
GGGGGCCGGGGGGCCAAAGCCNAAGNCCAAAGGTAAGTAAAAGTAAAAGTAAAAGNNGGA
AAAGGACCACCTTGGACCCCGGCCTTCCCCCAAGGTTCCCCAAGGAATTCCTTCCCAT
TCCCCCGGCNTTCCCCGGTTGGTTCCAAAAAGGGGAAGNCCGGGGGNAAAACCAATTG
GCCCCCAAAGGTTTCTTTGAAAAATTNCCCCAAGGCCCAAGNAAGGGGGGAAAAA
GGGGTTCCCGNAAGGGGNAAGGNAAGGNAAGGTTGGGAAGTAAAAATTGNCCTTTGGGG
CCCAACCCCAAAATTTCCAAAGGGGGGGGGAACCCCCCGGGGTTTCCCAAGGGGG
GTTCCCGGNAAGGGAAATTTCCCCAAAANTTTTCCCCCAAAAAATTTCCGGNAAAAAA
AACCCCCCAAAAAACCCCTTTTTCCTCAATTTTCCAANGGAAAAATTCNAAACCCG
GCCTTCCCCCAAGGGAATTTCAAAAAAAGGTTTCCAAGGGCCNTTTTCAAAAAAA
AAAACCCCCCGGAATTCNTTCCGGGGGGTTCCCCCAAAANGGTTCCNTTTAAGGNAA
TNCCCCAAAGGGGGTTCCCTTTGGCCTTTTCCCCCAAGGAAATNNCCGGCCCCCCTT
TCCCCCCGG

Table 2

Sequence 2466

TTAATTAAGGGGGGGCCCGGAAAAATTTGGGGGAAAGGNCCTTCCCCCAACCCCGGCGG
GGGTGGGGGGCCGGGGCCCCCGGAAGGGGTTAACCTNTNTNTNTNTNTNTNTNTNTNT
NTNTGNTTGTNTGTNTGTNTNTNTNGGNAACCTNTNCCTNTTTTACCAAGAGAGATT
TTTTTTCCCTGGGTATNTGGGTNCNTNTNTGGGGGTNTNTNTNCCTGGGCCTNTCTNCC
TCTNTNTNTNTNTNTNTCTCCCTNTNTNTNTNTNTNGGGAAGANAATTGGGGGNAAGGTT
TTTTCCAACCTTAATNTGGGTNTNGGCCCCCAAGAGGCCTTGNGNGAAGANTTGNCC
AAAAATGGGGGCCAAAAAGANAATTCCTTTNTGNAACCTTTNCAAACCTTTGGCCAAAAA
ACACCCCTNTTTGGCCCCCTTTTCNCCGGGGGGGGGTGCCCCAAAAAGGCCAAAAATTT
TTNTTTTTTCNCCCGGCNCCTTTACAAAGGACCTCCTTCNCNCCGGNNAAGGATTAA
GGCCNTTGGGGGGGGGNAATNTTAACCAAGGGGGGCCAAACCCCNCCGGGGCTN
CCAAACCCCNAAACGGGGGCCNCCCCAAAGGACCNTTAAAAAATTTTTTTTTTTTTTT
GGGGCCCAATTTTTTTTTTTTTTAAAGGNTTAAANAAAAAGNAAAATTTGGGGGGGGG
GGGGGTTTTTTTTTAAACCTTTAAATNNAACCTTTGGGGGGGTTCNCAAGGGGGGC
CCTTTGGGGGGGTTCCTTTTTGGGAAAAAACCTTTCCCCCTTGGGGGAAACCCCCC
TTTCCAAAGGGGGGTGGGGGNAATTCCCCCAACNCCCTTTGGGCCCTTTNCGGGG
GGGGCCCCCTTCNCCCCCAAAAAAGGATNNGGNCCCTTTNGGGGGGGAAATNTT
TAACCAANGGGGGGGCCGGGGGGGGG

Sequence 2467

CCGGGCAGGTACAATGTCTCGCGTCTTGTTCTGGTGGCCACCTTGGGTCCCAGTCCACC
TGGACATCAGGCTGACGTCACTCAACAATGGCCGGGTGTTAATTCGCCACCTTGAAGC
CATCTCTGGAAGTGTGCAACTGGGTCTCCAGGCTTGGTCTGTTTCAAGATTAGCTCCTAG
AACTAATCTCACCTGGCCGCTAGTTATTGATGGAGCCCATATGTGAAGTCAAGCAATTCT
TACTCTTTCTCTATGGCAGGCTCCCTGCCAGTGTTGTATGGCAGGTGAGCACACGG
GATACTGGATCTGAGAATCTGATCTCCAGGGATCTTCCCCTATTCTGTTCCCCCTGGAG
GATTCAGCAGATACCTGTAGATAAGAAGCTGAGCACTGGAGAAATTAAGTAGTCCCAGTC
TTCTAGTTAACTACTAAGTAAAGGATCCTTGATTATACCCAGCTCTTGAGTTCTGAGCAT
TAATT

Sequence 2468

CACGCTGGTTTTGCATCTTCAGGAGACGCTCGTAGCCCTCGCGCTTCTCCTCGGCCAATT
CGCGGAAGAAGTGGCTCACGCCTCCAGAGCCACATCATCGCGGTGCGAAATAGAAGCCCA
GAGAGAGGTAGGTGTAGGAGGCCTGCAGGTACCT

Sequence 2469

CCGGGCAGGTACGCGGGATTCTCCTGAGGATGTGTCCCATCTAGGGAAGGCTGGACTAGG
CCTTGCGGCTCCTCAGGGACTCAGGTGGCCCTACTGGGAGAGGGGCCCTCAAATGCACCAT
GTCAAGGGTTCAAGATTGTTCTGCTTTTCCCCAAGTACCT

Sequence 2470

CGGGGGTTTTGGGGGCCGGGGGGCCCCGGGGNCCGGGGGGGNAAGGGGCCNTTGGNAACCGN
AAGNAAGCCCCCGNGGGGNAAGGGGGCCCGGTTTTNAGGGCCGGGAAAAAGNGNAAAA
ANGNAAAGGAAAAAAAAAAAAAACNCCGTAAAAGTAAACCGNAAAAAGNCCCCAACCTTT
AACCAAAGGCCGGTTCNGNCNAAGNCCGGGCCGGGGCNGGCCGGGGCCGGNTNCCTTGGC
CTTTTTAAATTAAGGGGAAAGGAAGGGGGGGGCCCGGCCAAGGGGGCCCCCCCCCGNC
CGGTAAACCCCTTCGGGGGCCCGGCTTTCCTTAAGGGAAAAACCTTAAGGGTTGGGG
AAATCCCCCCCCCGGGGGGCCCTTGGGCCAAGGGGAAAAATTTTCCGGAAATTNAA
TTCCAAAAAGGCCCTTTTAAATTCGCGAAATTAACCCCGGGTNCCGGAACCCCTTTT
CCGGNAAGGGGGGGGGGGGGGGGGGGCCCCCGGGGGTTTAACCCCCCAAGGC
CCTTTTTTTTTTGGGTTTTTCCCCCTTTTTTTTNAAGGGTTTGGGAAAGGGGGGGGT
TTTTTAAAAATTNTTGGGCCCCGGCCCCGGCCCTTTTGGGGGGCCCGGNTTAAAAA
ATTTCCCAATTGGGGGGGTTCNCAAAANTTAAAGGNCCCTTTGGGGTTTTTTTTNCCC

Table 2

CCCTTTGGGGTTGGGGTTGGGGAAAAAAATNTTGGGGTTTTTAATTTCCCCCGGG
GCCTTTCCCAAACCCAAAAAATTTTNNCCCCAACCCAAACCCAAAAACCCAAATTTAA
CCNGGAAAAGGCCNCCCCGGGGGGGGGAAAGGGCCCAATTAATAAAAAAGGGNTTNGGTTT
AAAAAAAAGGNCCCCCTTGGGGGGGGGGGGTNGGGCCCCCTTAAAAATTGGGNAAG
GGTTTGGGAAAGGGCCCTTTAAAACCCCTTCCAA

Sequence 2471

CTCACTATAGGGCGAATTGGCAGCTCCACCGCGGTGGCGGCCGGCGGLAGGCTGACGAGA
GCCGGGNGGCGTTAGCGAAGGAAGAGAAAAACCGAAGACGAAGCCACTACAGCGTCGCGAG
CGCGGCGCGGCTGCTTTATAGGAGAGGGCCGAGGCCCGCGGTACCTN

Sequence 2472

CCGGGCAGGTACTTTGAGGAAAGAGGCTGTTATTTCTTGTTAGAGGGATCTGGTCATCTT
TTCTGCTCTGTTGTCTTTGTTATGCTCTCTTGAGAGTCATGGTTCCCTCTGCACCTTGG
GCTTGGCCCCGCTGCGGGGTAGCCCCGTTTCCCAAGCATGGTGGGACCCCTGCTGTGCCT
CCACATCTGTGTTCTCCATCTGCTCTGGAATGCCCTCCCTGCCAACGCACAGAGCTCTCC
AGCCTCGGGGAACCTGCTGCTTTGGTTGGGAAATCCCCCTGGGATTAAGCGTTCCTGCC
TTCCCGCAGCACTTTCCTAGCTCAGAGCAGGCTCACAGACCGTGTGAGTGTCTTGGGTA
CCT

Sequence 2473

CCGGGCAGGTACGCTTTACTAATCTAAATTGGGTAACAGAACTGGAGAAAAGGAAGACTA
CACAGACTTATCATAAGCTGTTAGTGAACGTGATAGAAATGCGTAATTTGTTAAAGCGAA
TTACAGCTCTGATTTGTCAAATGAGGAGGNGAATTATCCTAGGATTTGCTATGCTGTNGT
GGCGTTAGAAAGATTGGATCTTTAGCAGCAAAGGTAACCTCAACAATATTTTCTGCTTAAG
AAAGTGCCTTGGTTAAGGNAGACCGTGATATCGTCTTTGACTAAGCTCTCTGGGCTATTG
ATTCTGNCATATTTCAAAGGCAGTCTTGGNCTGAAAGCCGAATCTCACGGNCAATGTCAA
CATGCAATCCACAAAGACCCTGGCGCCCTTCCCGGTATGCCNCTTNACCAAAAANTTTNNC
ACTGCGGANATCCNTTTTTTTNNNAACCGGNANTTNANTTNANTTNATNAAGCCCGGGN
NTTNNCTTTAACTTGTTGNAATCCCNTTCCCNAAAGGAAANNGGTGGGCCACCCCTTTTCA
CCCTNTGGNAAAAGGAGGGCCTNGNCATTNGTTCTGGNGANNCAAAGGCNNNACCTNTTN
GGGAAAAACCCNTNGCNNGCAAATNAATNCCCTNNCTTTNCANGAAAATAANCAANG
GGGNTTTCNNGGCCNANATTTTTTTAACTTNNNTTNNAGGAATTTTANCNAACNGNTT
TTNNCAAGNGAACNCGNCGNGATTNCTTTTAAAAANCCNCTNTCCCTTTTGGNAANCC
GGCCCCNAANTTGTGGTNNCCNNGTNATANCCCCNTTNGNCCCCTTNTCCNAAATNTNN
AAANTTCCCCGGGCCCCCNNGGNTTTTGGGNTNTAAANTTTTTTAANNTNNTGCCCC
CCCCCGGGGGGG

Sequence 2474

CGCGGTGGCGGCCGAGGTACCTTTTTTTTTTTTTTTTTTAACTCCCTTTCCTTGT
ATCTGAACCTCCAAACATCAGCTTTGATGTCTATTGTTGGGACTTCAAGAGGACTCTTAN
CACATCGGCAGGTGTTGGTTTTAGTGAGCAGGCGAGAGTCCCACATTCTCCAAGGAGAG
AGATGGGTCCCACACATTCTACCCCTAGAGCAGAAGTCCCAGCGCTGTGCCTCTTCTC
TGGCTGCTTGCTGAGGACGTCTCCAGTGGGGTACCTGCCCG

Sequence 2475

GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTCACATCATAAATGACAGGAAAAAA
CAATCGAAGGATCTCAAAGAAGTCAAGTTCTTCTTCAGGCAAGTTAGAGTTGGTTAGGAT
TTTGATTCCCGCGTACTTTTTTTTTTTTTTTTTTTTNGGAGTCATAGATTTTATTTA
ATTAAAAAGATTAAAAACAGACTGTGTAAAGAATTAGAATTCTCAATAATTTACTATT
ATTTACATTAGCAAATGTCGGTCGTTAGTAGACACTGAGCANAGAAGCTTGAANAACGGG
GATCCTCTCCTGTGGGCAGGGGAGCCCCAGCTTCCCTCGTGATTCCCGTCTTTCAAGTT
CATTATGGCAGCTNTGTCAATGAGCACCCAGGGTGGTGTGGCCGCAGNACCAGGACCCG
CGCTGCCCCGCGT

Table 2

Sequence 2476

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACTGCTGCAGAGAAAAAG
CATCCATGTCAAAAAGTAAAGGTTCTCATTCTACCTTGCTTCCGTTCCCAGACCTTGTC
TTACCTTCCTGAACCTTTTATATTCTGGATTATCTTGCTTCCAGGACCTTGATTCTG
GAGTTCCTCGCCGAACCTTTTAATCTCTGCTCCCAGCTCTATGAACCTTTGGCTTGCAG
TCCCAACACGGGCATGCAGGATGCGGTATTACAGCATAATCTGTCTCAAAGTCCTGCTCAT
AGGCATGTTGCTGTTCTGCACTGTGGATGGCCCTGTATTGCAGGAGGTAGTCTGGTATAT
CTTCAGGACTTGGGGATTACAGAATCTTCTTGAACGAGGAACTGNGTTCTAATCTGGGGT
CCATGTCCTCATCTTCTTGCTCCCAATCTTCTCCCTCTTGTAATCCTGATTGGTCAGGC
CTTGTAGGGGGCTTGGCACTAAAGGCAGAGTTCTGAACCTCTTTTCTTCCAGTTCTACAG
TGGCTACAGGCACTGAACGTTTCTTGCTCCAGACGTTTTCCNGCT

Sequence 2477

TTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATACGCCCCAGAAGGGCGGACTGGCCGGA
GTCCAGGGATGGNGCCAACGCCCCATAACAGAGATCAGCATTGGACTACAAGAAGAGGC
AAGGAGAAATCAAGGATCAAAATTTAAGTAAAAGAAAAGCCAAGTCATTAATAATAGCCC
CCTCATTGAAGAGTGGGAACGTAGGTGTGATGTTCTGGCATAAGGAGTGAAAAAGAAAA
GCTCTATTACTTGAAGCTTTTACCAGGGGCAGAGAGAATGGCCAGAAGTGAGAAACGTG
TGTGTGGATGCTTACACCGATGCCGTCTCCTAATATTGGAACATGGCTCCAGAAAGGAGA
ACCAATTATTCTAATTCACGGGCGGCATTCTCTGACTCCCAAACCTCCCAAAGTGGAGG
GCAGGAGCTGCCCTTACCTTGAGGAAGCTCATAGTGTGTTGGTAAAACTCTCCCGGGGTG
CGACATAGGATGCTTTTACAGAGCTCCCTGGACAATGGTACCTGCCCC

Sequence 2478

CCGGGCAGGTACGCGGGGTCTCAGNTTCAGGCACCACCACTGACCTGGGACAGTGAATC
GACAATGCCGTCTTCTGTCTCGTGGGGCATCCTCCTGCTGGCAGGCCTGTGCTGCCTGGT
CCCTGTTCTCCCTGGCTGAGGATTCCCAGGGAGGATGCTGCCAGNAAGACAGATTACA
TCCCACCATGGATCANGGATCACCCNAACNCTTCAACAAANGATCACCCCCAACCTTGGG
CTGAANTTTCGCCCTTTCAAGCCCTTAATACCCGCCAGGCTTGGCCACNACCCANGTTCC
CAAACNAAGNACCCCCAAATTATTCTTTTCTTTCTNCCCCCCCANGATTGGAGGCNA
TTTCGGCCTTTANCAAAGNCCCCCTTTTGGNCAAAATGGGCCTTNCTTTCCCCCTTNGGG
GGGGGAACCCCCAAAANGGCGNTTNGAANCAAACTTTNAAACCGGAATTGNAAAAAATCC
CCNTTGGGGAAGGGGGGCCCTTNGNAAAATTTTTCNAAAACCCCTTTTCNACCGGGGGAAG
GAAATTTTCCCGGGGAAGGGGGCCTTCAANGAAATCCCAATNGNAAAAGGGGCTTTTTT
NCAAGGGAACCTTTCTCTTCCCCATTACCCCTTCAAAACCAAGGNTCCAANTAAC
AANGCNCNANNTCTTTCNCAAGGGCTTTGAACCCACCCCGGGCCAAAATNGGGGGCCCT
TGGTTNTCCCTTTCAAACCTTAANGGGGGCCNTNAAAAGNCTTAAGNTGGGGGAATT
AAAANGTTTTTTTNGGGGAAGGGGAATTGGTTTTTAA

Sequence 2479

CCGGGCAGGTACCACACACCCTCCACTACTCATCACCAGACAGGGAACCCTGGCTTGGGC
CCACAGCACAGACCCTCCATCCTGGGCCGATTACACTAAGTGATTGCTAACTCACATGTC
TCTGGGATGGAGCACCCAGGAGACAAGCAAAGTGTGGAGCAGCAAGTCAGGTGATGTGG
AGCCCAGAGGGCTGGGACAGCTATCTCTTAGGGTCTACTTGCCCTTGTGAGACACTTTA
TCCCAGCACTTTAGGAATGCTGAGGTCATACCAGCCACATCTCATGTGCAAGATTGCCCA
GCAGAGATCAGGTCCAAGAGTTCCTGTTTTAAAAAGGGGACTTGCTTAATAAAAGAAGT
CTAGCCATGTTTGTGTAGAGCAGCTGTGCTGTGCTGGGGGTCTCTTTTGAAGAGATTCTT
CCTCTGAGACCTGATCTCTGGAGGCTGGGCAGTCTTGACATGANATGGGGCTGGTCTGA
TGGCAGCACTNCTTATGCTGCTTGCCTTCCCCATG

Sequence 2480

CTCCACCCGGCCGAGGTACTTGTCTAAGGCTCTGGCGGCTCCGCGAATCTCATGTGCTGG
GCCATCATGGACGAGAGTGGTCTTACGACCCGCTTGTAAGCAGTGTTAAACAACCATCAC

Table 2

ACCGCCAGCAGCAATGCCCTCCTCAGCCACCAAGGCAGGCCACAGGTAACGAGTGATGCC
CCATCTTGAACGCACCCAAAGCCTCCGCCTCCATAACTCAACAGCAGCAGGGAAAAAAGCC
ATGGTCTCAATTCTCTTGACAAATCTCAGAGGTATTATACTCTTATTCCAACATCATCTC
CCTCCCCAAAGGAAGGCGCACACCAAAACAATTTTTAAAACTTATGTTTTCTACCGGG
AAAACCTTTACCCTCAAAGGTGGATTGGCACAAAACTTGAAAATTTATTATGGCTTGC
TTAAATGGTCACATCCTNNGCTCCTANGCAAGGGGAAAACCAAAAACCGCTCTTGAAAG
AAGAGGGATGGGTTCCTTGCTTGAGGGGGGGGAAAA

Sequence 2481

AGGTACAGCATGTATGGCCATAAAACCACTCATCACACTACTGAAAGACCCTCTGCCCCA
CTCTATGAACAGCACATGGTGAGCCCCATGGTTCATGTCTATAGAAGTCCATCCTTTGGT
CCAAAGCATCTGGAAGAGGAAGAAGAGAGGAATGAGAAAGAAGGAAGTGATGCAAAACAT
CTCCAAAGAAGTCTTTTGGAACAGGAAAATCATTCACTCAGGGTCAAATATGAAA
TACAAAACCACGAACCAATCAACAGAATTTTATCCTTCCAAGATGCCAGCTCATTGTAC
CT

Sequence 2482

AGGTACTGCTGCAGAGAAAAAGCATCCATGTCAAAAAGTAAAAATTCTATTCTACCTTG
CTTCCGTTCCAGACCTTGTCTTACCTTCTGAACTTTTATATTCTGGATTATCTTGT
CTTCCAGGACCTTGATTCTGGAGTTCCTCGCCGAACCTTTTAATCTCTGCTCCAGCT
CTATGAACCTTTGGCTTGCAGTCCCAACACGGGCATGCAGGATGCGGTATTGAGCATAAT
CTGTCTCAAAGTCTGCTCATAGGCATGTTGCTGTTCTGCACTGTGGATGGCCCTGTATT
GCAGGAGGTAGTCTGGTAATCTTCAGGACTTGGGGATTGAGAATCTTCTTGAAGTGAAG
AACTGTGTTCTAATCT

Sequence 2483

CCACCTTGGGTCAGTCCACCTGGACATCAGGCTGACGTCATCTCAACAATGGCCGGGT
TGTTAATTCGCCACCTTGAAGCCATCTCTGGAACGTGCAACTGGGTCTCCAGGCTTGGT
CTGTTCAAGATTAGCTCCTAGAACTTCTAATCTCACCTGGCCGCTAGTTATTGATGGAG
CCCATATGTGAACCTAGCCAATTCTTACTCTTTTCTCTATGGCAGGCTCCCTGCCAGTG
TTTGTCATGGCAGGTCAAGCACACGGGATACTGGATCTGAGAATCTGATCTCCAGGGATC
TTCCCTTATTCTGTTCCCTTGGAGGATTGAGCAGATACCTGTAGATAAGAAGCTGAGC
ACTGGAGAAATTAAGTAGTCCAGTCTTCTAGTTAACTACTAAGTAAAGGATCCTTGATT
CATACCCAGCTCTGAGTTCTGAGCATTAACTTTGTTGCATTGCATCTGGTGTGAGT
GATTATTCTGTCCCATCC

Sequence 2484

ANAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGGCGGGAGGCTGNCGAGAGCCGGGAG
GCGTTAGCNGAAGGAAGAGAAAAACCGAAGACGAAGCCACTACAGCGTCGCAGCGCGGCG
CGCGTCTGCTTTATAGGAGAGGGCGCAGGCCCGCGGTACCT

Sequence 2485

TGCATAGACTAGTCAGGCTTCTGGGGTGACTAGAGCAGGGCTGTTGTCTCCTCAAGCTTC
AGCCGTGCGTGGACTGGTCAGCTTCCGGAGTGACCAGAGCAGGGCTGTTGTCTCATCTCACT
GGCACCTTGGTCCATCGTAGGATCAGCTGTGTTGCATGGTCTAGGTCTGTTGGCTGGC
CCACTTGTCTGGGCTGCTGGTTTCAGCTGACTGGATGGATGGATCCAAGGCACAATTCC
TGCAACATTTCTAGGCTTCCAGTGGGTCTGGCGTCTTAGCTGTGGATCTCCAATACCT
GCAGGTAACGAGGCCACAGAAGCTGGGCCTCTAGGAGCAGAAGACACAGAGCAGTGAAGA
CTACACCAGAAGCTCCGGCTGCCGCCAGAGACAAAGGCCCCACCCCCCGGTACCT

Sequence 2486

TGCCNANTGAGTGANCTAACNTACATNAATCNAGAANTNCTGNATGCCCCGNNCTNAANG
AATAAAATNNCAAGNTNATCTNTACCAATGANCTCGACGGGGGGCCCGGAGACCAGNTTT
GCGTCCCTTTAGNNAGGGNNAATTNNCCGCTACGNNNTAATCATGGCTNTANCTGTTT

Sequence 2487

Table 2

GCGGCCGANGTACCCNNACATTANGAAAATTTTCTATTTNAACTTTTTATTGATTTTTG
GGGGGAGTAAANAATTATTTGTGATGCAAATAAATATCCTTTAATTGGTCGACTTGCCA
AATTTAGATTTGTGTGCATCAGGCTTTCTTTTTTCTTTTTTAGAGAAGTTCAATATA
AGCTTTTCTTTCTTTGTGCTTTCTTTCTTTATTTTGAGATGGAGTCTTGCTCTGTGCG
CCATGCTGGAGTGCAAGTGGGCNCCGATCTTCGGCTCACTGCAACCTNCACCTCCTGGGT
TCAAGCGATTCTCTTGCCTCAAACCTTCCCAAGCCAGTTTGGGGACTACCAGGCGTGAG
CCACCATTGCCCGGGCTTAATTTTTTGTATTTTTAGTTAGAAGAACAGGGGTTTTTCAC
CCATGTTAAGCCCAGGGCNTTGGGTCTCAAAAANTCNCCTGGACCTTCAAGGCCAATTCT
GGCCCCGCCCTGGGGGTTCTTCNTAAAAANTACCCTGGCCCCCGGGNCNGGCNCGGCTT
CTTAGAAAACNTAANGTNGGGAATCCCCCCCCNGGGGCTTGCCAAGGAAAATTTCTGAT
TATTCAAAAGCCTTTANTCCGAANANCCCGGTNCGAACCCTTTCNAAAGGGGGGGG

Sequence 2488

AGGCGAATTGGACTCCACCGCGGTGGCGGCCGCCCGGGCAGGTACAGGGTCCCAAAATGC
GCTGACTCAGCTTCACCAGCCCATCTCGGATCTAAAAGACACCCACAAGAAACATGTTGT
TTAGCTTTTCTTAAGCATCTCTGTCTTAGAGTTTCTTGTCTGACCTTCTATCAGGTTT
TTAATCTTGAAAGTGATGGTGTCTAGTGGCATTTCTAGATCAGACCCTCTGGGNTCGTA
NCCCAGCTNTGCCACACACATGCTGCTTGACTGACAAGGAGAAAGAAANGAAGGGANGCC
TCNCTTGTCCCCACTTGTGCNCATTGAAAATAANTNTANTACCCTTAACATTACCACATA
CTTCTTTCACCCATAATTATCACCCTCATTGCCAAAAAATGTCTCTTCCGGNCATGNAA
ATGNAAGGATCCAGNCCCCAACCTTNCCAGCCAGGGAAACCAAGCCCAGGCGGCTTTGGG
CCCATGCCCTTCCNNCAAGGGACCAAGGGA

Sequence 2489

CCGGGCAGGTAAGTGGCTTCAATGATAAAAAAAAAAAAAAAAAAATGACTGCATTTTT
AAGGCCTAGCGCTTCAAAGGCTATATTGTCTTACGTGTCTGACTTTGGCATCTGCCCTTT
CTGACTTTTGACCTGCGCCTTCAGCATGCCGGAAGTGAATGTGGACTATAATGCCAGC
TCAGAGACCTTGCGGTGTGAGGCTCCCCGATGGTCCCCCAGCCACAGTGGTCTGGGCA
TCCCAAGTTGACCAGGGAGCCAATTCTCGGAAGTCTCCAATACCAGCTTTGAGCTGAAC
TCTGAGAAATGTGACCATGAAGGTTTGTGTCTGTGCTCTACAATGTTACCGATCAACAACA
CCATACTCCTGTAATGAATTTGAAAAATGACCATTGGCCAAAANGCAACAAGGGGGGGA
TTATTCAAAGGTGGACAAGGGTGGGGGTNTCCTTGCCAATGGCCTTTTTTGNAAANTNGN
AATTTAACTTGGGGGGAAAAAGGAGN

Sequence 2490

AGGTACGCGGGGAGAGAAAAAGAGAGTAAGGGAGGAGGGAAGGATAGAGAAGGGAGTGAG
TTAGCAAAATGCCACACTGTAGTTGCAAACCTGGCACAAAGGTGAATGCGGTTTCATGAGG
CTCGCTTGATTAAGAAGAGCTGAAACAGGAGCAAAGAGCAAAGGCAACCTGCAGCGAAA
GCAAGGACTCAGGGAACCGGCAGACACAAGCAGCCTCTGCAGGTGTGCGAGCAGGATTGC
TTCTGCAACAAAAGCCTCCACCCAGCCACATNTTGTGAAAAGAATGGCCACTTCTTGGGG
CACAGTCTTTTTCATGCTGGTGGTATCCTGTGTTGTCAGCCGCTGTCTCCACAGGAACC
AGCAGACTTGGTTTGAGGGTATCTCCTGTCTTCATGTGCCCCATCAATGTCAGCGCCA
GCACCTTGTATGGGAATTATGTTTTGATGCANGGAGCACTGGAACCTCCGAATTCATGTTT
TACACCTTTTGTGCANAAAATGCCANGGACAGCTTCCAATTTCTTNAANGGGGAA

Sequence 2491

CCGGGCAGGTAAGTACAGGATATAAACCTAATCCAACCATAGAAGTTAGACCCTATGATT
GAGGCTTGGGAGAGTTAAATAACATTGGGTTTTTGAAGCTCTAAACTTCAAAATCTCTGA
CCCATGTTAAGAAAGCAAATTTCTTGAATGTCCTTGATTAGCTAGCAATATGTGGATTAA
TCACTTAGGAAGAATTCTGTTAACGGTGACCTGGCCATTTGTTTTTGAAGTGATCTTTG
CTGTGTGGATGCAGCACTGTNATGGTGTCCAGTTGCCATTCTAACCCTAAATAGGTCTT
TACCTCAGTCAGTTAGCTAGCTGGCCATGTGAGGATTGGTGAAGTTCAAAATAGTCTT
CATAATGTTAAAGCCACAATTCATCATGAACATAAGACAGCTATTGATACCTACCTATG

Table 2

TATCAAGTTACACATCTGCAATTTTTTTTTTTTGA

Sequence 2492

AGGTACGCGGGGAGAGAAAAAGAGAGTAAGTGGAGGAGGGAAGGATAGAGAAGGGAGTGA
GTTAGCAAAATGCCACACTGTTAGTTGCAAACTGGCACAAAGGTGAATGCGGTTTCATGAG
GCTCGCTTGATTAAGAAGAGCTGAAACAGGAGCAAAGAGCAAAGGCAACCTGCAGCGAA
AGCAAGGACTCAGGGAACCGGCAGACACAAGCAGCCTCTGCAGGTGTGCGAGCAGGATTG
CTTCTGCAACAAAAGCCTCCACCCAGCCACATCTTGTGAAAAGAATGGCCACTTCTTGGG
GCACAGTCTTTTTTCATGCTGGTGGTATCCTGTGTTTGCAGCGCTGTCTCCACAGGAACC
AGCAGACTTGGTTTGAGGGTATCTTCCTGTCTTCATGTGCCCCATCAATGTCAGCGCCA
GCACCTTGATGGAATTATGTTTGATGCAGGGAGCACTGGAACCTCGAATTCATGTTTACA
CCTTTGTGCAGAAAATGCCNGGACAGCTTTNCAAATTCTTAGAAAAGGGGAAGGTTTTTT
GAATTNTGTGAAGNCCAGGNACTTTTTCTTGCTTTTGGTAGNAATCAACCCTAAAGCNA
GGGGTGCTTNANGACCCNNTTTCAANGGGGCTTTTTTAANANGGTGGCCAAAAANACTTTA
AANTCCCCCGNANTNCNCTGGGAAAAAANAACCCNANTGGGTCCNTTAAGGGNAAAC
NANNTGGGGNNNTNCCNTTTNTTTTNCNAAAAACCAAAACCCAAGGGGTTTNTNTTTT
TTNGGGGGNAANAGGNANTTTTTGNGNANNNTCNTTTTTTTTTNATNTTNTGTNGGG
GGGGGGGTTTTTTAA

Sequence 2493

CCGCGGTGCCCCCGCNGGTCCCCGGGGCANTCAGATNCGANGACATGTTGACGTCGTC
GAGAGTCTTAAATCCTGCTGTGGCCGATTCCAGACTCGTGGGGGAAAGGCTGGATCTT
AATGCAAGTCATGAACCTGAATGTGCCGATGAGGCCTGGCATTCTGTCCAGAGACAGAG
TAAGGAAGTGTGGCCACACCCTTAGAAAACAGAAGGGACATGGAGGCAGAAGGAGGAGA
ACCCAAATAAATGAGAAGCAAGNAGCCTGAGAATGCTNGCAGTAAACCTGGTCAAAGAAT
GAGGATGATTGGGTTTTGCCANTAAAATACACACATTNTGTNCACTAGGAACCTCCTTTC
AGTTTGTGTTGAAAAGGCCANAAAAANGTACNTTTTANAAAGGGANGTTGACCAATTTTT
TCTTAGGGGGAGGGTAAATTTGGTTTGTGGGNATTCCTNTNGGGAAATTGGNAAATACC
CCNCNTACCCNCNCTCNGGAAAGGCTTAATACCTTCCGGNNGAAACCATTATTATNGGA
GGAAGGGGAAAATTGGAAGGCCTTNAAAAAAAGGGGTTNTANGAAAGTGGAAGGAG
AAAAAAATGGTNAAACNGTNTTTGGACTAAANCCNTTTGNAAAAAGAANTTGAANGGGG
GATNCCTNNGGGGGCGGGTTNTTTAAANAACCTANGTTGGGAATCCCCCGGGGCTTGGN
NGGGAANTTTTNGTNTTCAAANNCTTTNTTNTGNTNANNCNCGGTCTNACCCTTGANGG
GGGGGGGG

Sequence 2494

CCGGGCAGGTACAGATGTCCAGTAGACCTACTGGATATGCAGGCCTGCAGCTCAGGGGAN
AGCTGGGTAAAGAACCGTCAAGGCAGTAATCATCTGCATTTAGATGGCGAGTGAAGCCAT
GACAGGGGCTGAAATGGCCAGCAAGAATAAATCAAACCATGAGAAACACATACATTAA
GAATAAGGAGATGTGGTCAGGCGCGGTGGCTCACACCTGTAATCCCAGCACTTTGGGGAG
GCCCCAGGCCCGGTGGATCACTTTGAGGTGAGTNAGTTTGAAGACCAAGCCTGGGCAACC
TAGGTGGAATAATCCCCGTTCTCTGCTTAAAAAATACAGGAACTTTAGCTTGGGGTTGTGG
TGGTGCCGTGCCCTATAAGTCCCCAAGCCTGNATTGGGGNAGGCTTGAGGGCACCAAAGA
AATCNCCTTGAACCCCCGGGTAGGGTGGGAAAGCCTTGCANTTGANGCCNAGGATTAC
ACCCACCCGGTANCTTCCANNCTTGGGGCAACCAGGAGAAAAACNACCNTTNTCTTTAA
NANAAAAATTAATTAATTANGGGGANGAATGNNTCANTGGGCTNCGGGGGGGGAGGGGGG
GAAAA

Sequence 2495

CCTGACCTCAGGTGATCTACCCACCTCAGCTTCCCAAAGTGCTGGGATTACATGCCTGAG
CCACCAGGCCCCACCGTTAGTATTTTCATAGTCTTCTACCACCTACCTCGTATCAGTTTCA
GATTTATGTTTCTTGTCATGATCACAAAATCATGAAGAGATCAATAGGTTTCATCTTTT
TTTTAATGGCCAAAATGGAGCCCACTACAGCCTGCAATAGGAGAAGGATACCCATTAAAGT

Table 2

AAATTCAATTTGCAGCAGCAGAAACATGTTGCTTTTCAGAAGGCTAAAGNAGACAGTTTC
TTCATTTTACAATCTCTACACTGATATAAGTCTTTTCTATAAGCAGATAGAATACATTA
TATATGAACAGCTGTTACATTTCTGAAATCTCAATCTGTAATCCCAAACATTAACATTC
CTTAACATTAATATTCTCTGCTGGTGTTCATTAAAAATACTGATAACTGGACGCTTTCTA
ATAACAAAATCTNCACTTTATAAACCTTTTAATGAAAGCTNCAATTTTACTTTTAAACC
CGGNTAGGGGATACTATTATTTGAATTTCTCATTTTT

Sequence 2496

AGGTACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTGCTTCCCG
GGACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTGCTTCCCGGG
ACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTGCTTCCCGGGAC
TCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTGCTTACTATTAATG
AGAACGAAATACACATTAGGAAAATGGAGCCATTTCAATCTAGTGTTTGGGCAAGATGG
GGAAGAGAAGGGGAAACATTCTAGTTTCTGGATTACATTATTATGCCCTCCTGAAAAGG
TGGTTGTCATTTGCATTTATTTAAAGCAGGTAATATGCAGGAATGTAAGTGAAGATTATC
TTCAGGCAATCAGCAAGATATCCTCCTCATGGTCCCTTTAGCTCTCAAAGCAATGAAAT
CCTCCTGTTCT

Sequence 2497

NCCGGGCAGGTNCTCGGGGAACGACGAGTTTCAGAACGATGGAGAGCTCCCGCGTGAGGC
TACTGCCCTCCTGGGCGCCGCCCTGCTGCTGATGCTACCTCTGTTGGGTACCT

Sequence 2498

CCGGGCAGGTACTAAAAAACAAAATATTAGCCGGGTGTGGTGGCGCATGCCTTTAATCT
CAGCTATTCTGGAGGCTTAGGCGGGAGAATCACTTGAACCCAGGAGGTGGAGGTTGCAGT
GAGCCAGAGATCATGACATTGGGCAACAAGAGCAAACTCTGTCTCAAAGAAAAA
AAAAAAAANCAGGGACGTGGGATGGCGAGTGATGGGGAAGCTATTGGAGTCCCTCANAG
AAGAGATGACATTTGAGTCAACACCTGGAGAAGTTAGGGAGTGAATCACATGGTCTTCCG
GGCAGCAGGAACAAGCAGTGCAAGGCCCTGAGGCAGGGGTGTGTCTGACGTGTTAAGG
AGCATTCAGGCCAGACTCACTGGTTCACGCCTGTAATCCAGCACTTTGGGAGGCCGAGG
TGGGCAGATCACCTGAGGTCAGGAGTTTAAACCAACCTGGCCAACATGGTGAAACCCG
TNTNTACTAAAATACAAAATTAACCGGGCATGGTAGCA

Sequence 2499

GGAGCTCCCCGCGGTGGCGGCCGAGGTACATTTTAAATTTATACCNGTTTTTAAATTCC
TGTTTTCTTTTGTAGCTGTATGCAGGAGCTATTCTTGAAGTTTGTGGATGAAAATTGG
GAAGGTTCCTCAAGTCCAAGGTATATAAAATTTACTCCAGTAACTGTTCAAGTCATTTA
AATCAACATTTTATGTGAATCGTTTCACTATATATCCAGGAATAAGAATTTTAGG
ATTATACTTTCTTAACAATATATGCTTTTTTTCAATTTGTTTTCATGGAAGTGGTTGT
TAAAGTAATTGGTGAATGCTATGTTACTTTAAAAAACACAATATGAAATTTAGAGG
CCAGGCGTGGTGGGTCACACTCAGCTCATGCCTGTAATCCAGCACTTTGGGAGGCCAAG
GTGGGTGGATCTCGAACTCCTGACATCAGGTGATCCGCCTGCCTTGGCCTC

Sequence 2500

NAGTCCACCGCGGTGGCGGCCGAGGTACATTTGCACAATGTNGAAAACAAAGATGACAC
GAGCCTGTTCACTTCTCCACATGCCTGTCCATCTNCCCCTGCCCTATCAACATGTCTTG
AAGGTGTGGCCACTGACCGTTTGCATCACCTTTCTGTCTACGTAGCACCTGTCAGTGACC
CCTGACCCAGAGCACCTGCCCTTAGCCTTGAGAAGCCTGTATTTCCCTGCTGGGCTCA
CCTCTGGGAGGTAGCATTCCCATTTGTCTCTTCACTGGGATGGCACTCTACAAGGTAA
AAAGTGGGGCCACACCCAANCANTTAGCCAAAAGAACCCTTGTAGGGGAAAGGAACAAG
GATTGCCTGGAGTTTAGTTTTNNTGGATTTTCNTTTTGCTTTCACCATGTTTTTGAAGA
AATGGGGAATGAAGGNTGCAATGGTGCTTAGGGTTTGGAGTNTTGGGNATGGGGATA
AGGGGGGTCCCTTTACTTCTTTAAGAAGGGCAGCCAGGGGGGTTTGTNAAGGGGTTAAC
CAAGAAGAATTCAAGTNGTGGGGGCCCCCAAGGGGAAAGGGGGGAAGCCTTGAAAAACA

Table 2

ACCAGACTGGGGTCTCANNGAAAGGGANGGGTNGGGAAGGGGCCAAAAAGGGGAAAAAG
GACGGGGGGGAATGGGGTC

Sequence 2501

AGGTACACCGCCGAGTCCCATTCTCACCTTTCACACCCCCATCCTCACACAAGTAACCC
GGGTGTCTGACACGTTACTTAGGTTTTAATCCGCGCTGAGACAATCTCACAGAGACCCCT
ACTTCACCTCTCAGTAACCTTGCACTTCTCAGCTCTGCTGTGTGTGTGTGTATGTGTGTGT
GTGTGCGCGCGCGCGCGCGCGCGCGGTGTGCCGTGTTGGGGGAGTGTGATGTGGGGGAATCAG
TTAATTTGGTGATTGCAATGAAAATTCGACACCGCTAGATGTATTTCCCTGCCAATCTG
TGTGTGCTGGCCCCGGCCGCTCTAGAACTA

Sequence 2502

CGAGGTACACGGGAGGCTCGTGCTAAGCTAGCGCCGTCGTCGCTCTCCCTTCAGTCGCCAT
CATGATTATCTACCGGGACCTCATCAGCCACGATGAGATGTTCTCCGACATCTACAAGAT
CCGGGAGGTGCGCGACGGGTTGTGCCTGGAGGTGGAGGGGAAGATGGTCAGTAGGACAGA
AGGTAACATTGATGACTCGCTCATTGGTGGAATGCCTCCGCTGAAGGCCCGGAGGGGCC
GAAGGTACCTGCCCGGGCGCGCCGCGCCTAGAAAAGTGGGATCCCCCGGGGCTGG
CAAGGGAATTTCCGATATTCAAAGCTTAATCCGATACCCGTCGACCCCTTCNAGGGGGGG
GGGGCCCCCGGTACCCAAGCCTTTTGTTCCTTTTAGTTGAAGGGGTTAATTGGCGC
CGCTTGGCGTAATCAATTGGGTCCATAAGCTTGTTCCTGTGGTGAAAATTGTTATCC
CGCTCAACAAATTNCACCACAAACATTACCGNAGCCCCGGGGGAAGCATTAAAGGTGTA
AAGCCCTGGGGGGTGCCCTTAATGGAAGTTGGAGCCTAACTCAACATTTAAATTGGCG
TTTTGGCGCTTCAACTTGCCCCGCTTTTCCAANT

Sequence 2503

CCACCGCGGTGGCGGCGGAGGTACCAGCCAGTGCTGGAAGGAGCTCACCCCTGGGAGGTCT
CGTCAGNCTCTGTCCTTCATGGCTGNCCCTTGTGTCCCATGTGGAGAGCCCTTCCTCCCT
TTCCACATGGTAAGCACTGAGCCCAATTTCTTCTNACCCACAGATGGNCCCTCAGAGCA
GAGATGTCTAATGAAAGGTTGANGATTGAGATCACTAACTTTCCATCTTCCACTTTTCC
AGTGGTGGCCATGTTCCCCCGTTTGCCTTCAAAAAACCTTGGGGAATAATACAAGCCAT
TATGGACTCTGATTTACAGTTTANGAAGATGAGCANAAGGTGGGGTGTGGAGTTGCCAG
TGCATGTTGCTTAGNTTGTGAAAGAAAAGTAGGGATTTGTTCTCAANGNCTTTGGGG
CCTCCTGGGCCCATTANGACCCAGTGGGGCTTCTGGTGGTTTCTTGAATTGGGGGGTAA
TNTGGGGGGG

Sequence 2504

CTCCACCGCGGTGGCGGCGGAGGTACGCGGGAACTATGTTAAAAAGTAACCAAAGAGT
CATTCTGGTATTTGATTATGACACTTCTGAAGCTAGAAGGGACCTCAGACCACCTGCTC
CAATCCCTGCTGCCTAAGGTTTTGGGGGCTGAGGGCTGGAAACCCAGGGGCTGCATCTCC
CAGGCTCTTGGCCTCATAATCGCCTTCTGTGAGACTGAGGGCAATTAAGATATGAATGAC
ATGAACTCGCTTCTCTCATATCAACATAAACCAGAAGAGGCATACATCTGTGGGATAGT
CAATACATAACATCCTATCTTTATATGGCCATATGAGAAGATAACTTCAGTGCCCTATG
ATGGTAAGTCTTGAATGTGAGGGCAANATGGCTGTGATAGCCATGACTCCCCGCTTTCG
CTGGTTGGACAGAACCCCTNC

Sequence 2505

AATTGGGCTCCACCGCGGTGGCGGCGGAGGTACCGGTTGCTTGTGGAACAAAACCTCCTCA
ATTTTTAAACTTTTTTAAAAATAAACATACATAGGTATTCATTTACTTTAAAA
ATTCTAAAGATGAAGAAAATTATTGTTTATATTTAAGTCCTTGTATAAATTACAAAAC
TCAAGTTTATGTTACAGAGTCCCTTCCCCATAGGAAGCATAAAGCACTTTTGTGGTACCG
CCGGGAGTCAGAAAGGAGACTCTGCCTCCCTCCTCACTGAGGTGCCTCATCCTACNC
GGGTGTCCCTTTGCCACCCTGCCTGGGGACATNCGCTGGGAACCTGCACCCATGCCAGGG
ATCAATGGGGACCGAGGCGAAGAGGGGCACCCCTCCCTTCCCTCCCCCATGTGGATAAAATG
GGTCCCAGGGCTGATTCAAANGAACCTCTNGACTGCAAGAACTGCCCGCTCTCAGTGGGA

Table 2

CAGGGCCATCTTGTNTATCCTGAGACCT

Sequence 2506

CCGGGCAGGTACCTCTAAGGGCCCAAGTCAGCAGAACTGTTTCCCAACTGCCGGTGGGCT
GGCCTTGCAGGGAAGGCTGTCAAAAGATGGCCAAGTCAGGCACAAGCCTTACCTCCCTG
AGAGCCTGCTCCCACCTTCTCTCTGGCCCTCAGCTTTTCTTAAGTGAAGCTACCCTTGA
CCTTTGTGTAAATTAACCAAGAGTGGTCTAGAAATGGGTCTCAGGATGTCTGTGAA
GGCTTTGACTTTTGGCCCTTACAGTTCTAGTTTTGCAGAAATGAAAATGCTCTGGTGAC
TACAGCAGGTCAATTATTGGAGCCAAGAGTAGTATTGTAAAGTTGGAGGGTCTTAGAAGG
TCAGGAAAGAAATGAGTGGTCCATGGAAGTGTCCCTTAAATGATAACAGCCAAAAGCACA
GCCACCTATGGAATATTCCCTTGTCTTCTGGACTGGTAGAAA

Sequence 2507

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGTTTGGTGCAGTGCCACACAGG
AGGCCACCAACAGAGCCAGAGTAGTAAGTTGCTTCACTCTTAACCTCTCAAGTGA
TGACACCAAGGTGAGAACTTCTTTCACTAAAAGGCTTAATCTTTTAAATAACTGAACCAG
AAAGTCGTTTCTAACAAGAATACAGATAAACATTACAAAGAACAAGAAAAGATATGTTT
AAAATCTGTCAGGTTCCAACAAGGGTTACTTTTTCCCTGAAGAGAGAAGATGAACCATG
CCTAGAAGTAATGTGTAGCTGACTGTCCCGTGGTTCTATGTCTGAGTAACACAGTCTCAT
CTCTCATGTGTATGTGTGCATATATACATGTATATGACTATAGTGGTATCAGCAATCATG
TATATTTCAAGCTTAAATATGATGAAATTGTAAAGGACTATAGTCCTAATTAATACTA
ATACAGAATATACTTAAT

Sequence 2508

GACTATGCCCGGGGCCAGCAAACAGGTCTGCAATGACATCGATGAATGCAACGATGGCAAC
AATGGTGGCTGTGACCCAACTCCATCTGCACCAACACTGTGGGCTCTTCAAGTGTGGT
CCCTGCCGCTGGGTTTCTGGGCTGGGAATGGGAACGTGTGTGGGACTGACACAGACAT
CGATGGCTACCCAGACCAAGCNCCTGNCCTGCATGGACAACAACAACTGCAAACAGGA
CAACTGCCCTTTTACACCCAACTCTGGGCAGGAAGATGCTGATANTGATGGTGTGGGGGA
CCAGTGNGATGATGATGCTGATGGGGATGGGATCAAGAATGTTNAGGACAACCTGCCGGCT
GTTCCCAACAAGACCAGNAGAACTCAGATACAGATTCAATTTNGTGATGCCCTGTGACA
ATTGCCCC

Sequence 2509

AGGTACGCGGGGGGTGGGGCCTTTGTCTCTGGCGGCAGCCGGAGCTTCTGGTGTAGTCTT
CACTGCTCTGTGCTTCTGCTCCTAGAGGCCAGCTTCTGTGGCCTCGTTACCTGCAGGT
ATTGGGAGATCCACAGCTAAGACGCCAGGACCCACTGGAAGCCTAGAAATGTTGCAGGAA
TTGTGCTTGGATCCATCCATCCAGTCAGCTGAAACCAGCAGCCCAGGACAAGTGGGCCA
GCCAACAGGACCTAGACCATGCAACCCAGCTGATCCTACGATGGAACCAAGGTGCCAGTG
AGATGACAACAGCCCTGCTCTGGTCACTCCGGAAGCTGACCAGTCCACGCACGGCTGAAG
CTTGAGGAGACAACAGCCCTGCTCTAGTCACCCAGAAAGCTGACTAGTCTATGCA

Sequence 2510

AGGTACATTTGGAGCTTTATTTCCACTGGCAATGCAGAAACACCCAGCAAAAATGTGAGA
GGAGTTGGTGGGGCTTCTAAGAGGACAAGAAGTGGAACCTGGCAGGAGATCCATGGGAG
CTCCTGGGACTAGAGTTCTGGGAAGTTGAAAGAAATTCTCANAAAGAGATATGTAATTC
CAGACTGGGAGAGGAGCCCTCCCTGCAATTTTTTTTGTGGGGAGGAGAAGGGCATGGCTC
ACGTGTTGTCTGAGCTTTGTGGCCCCCAACTGCAGGCAGAGAACCAGNANCAGGGTGG
CAGGGCTGGCCCTGAACAGGAGCTGGAGCAAGCCGCATGCTGGAGAAAACAGAAGGCAAT
GTGTCCAGAGAAGTGGACCCCGCGTACCTGCCCG

Sequence 2511

CCGGGCAGGTACTGCCAGGATATAAACCTAATCCAACCATAGAGGTTAGACCCTATGATT
GAGGCTTGGGAGAGTTAAATAACATTGGGTTTTTGAAGCTCTAACTTCAAAATCTCTGA
CCCATGTAAAGAAAGCAAAATTTCTTGAATGTCCTTGATTAGCTAGCAATATGTGGATTAA

Table 2

TCACCTTAGGAAGAATTCGTTAACGGTGACCTGGCCATTTGTTTTTGAAGTGATCTTTG
 CTGTGTGGATGCAGCACTGTTATGGTGTTCAGTTGCCATTCTAACCCAAATTAGGTCTT
 TACCTCAGTCAGTAAGCTAGCTGGCCATGTCAGGATTGGTGAAGTTCAAAAATTAGTCTT
 CATAATGTTAAAAGCCACAATTCATCATGAACATAAGACAGCTATTGATACCTACCTATG
 TATCAAGTTACACATCTGCAATTTTTTTTTTTGATGGAGTCTTGCTCTGGTGCCCAAGC
 TGGAGTGCAATGGTGAATCTTTGCTTCCTGCAAACCTCTGGCTTCAGATCAAGCCANTT
 TTCTGGCTTCANCTTCCAAGTAGCTGGNACTCCAGGCGCATGTTANCCCCCCCCGGGTAA
 TTTTTGGAT

Sequence 2512

CCGGGCAGGTACTGACAGGATATAAACCTAATCCAACCATAGAAGTTAGACCCTATGATT
 GAGGCTTGGGAGAGTTAAATAACATTGGGTTTTGAAGCTCTAAACTTCAAAATCTCTGAC
 CCATGTTAAGAAAGCAAATTTCTTGAATGTCTTGATTAGCTAGCAATATGTGGATTAAT
 CACTTAGGAAGAATTCGTTAACAGTGACCTGGCCATTTGTTTTTGAAGTGATCTTTGC
 TGTGTGGATGCAGCACTGTTATGGTGTCCAGTTGCCATTCTAACCCAAATTAGGTCTTT
 ACCTCAGTCAGTTAGCTAGCTGGCCATGTCAGGATTGGTGAAGTTCAAAAATTAGTCTTC
 ATAATGTTAAAAGCCACAATTCATCATGAACATAAGACAGCTATTGATACCTACCTATGT
 ATCAAGTTACACATCTGCAATTTTTTTTTTTTGGAGTCTTGCTCTGTTGCCAN
 ACTGGAGTGCCAATGGTGAATCTCTGCTCCCCGCAAACCTCTGCCTCCAGATTCAAGCAA
 TTCTTCTGNCTCACCTCCAAGTAGCTGGGACTACAGGCGCATGTCACCCNCCGGCTAAT
 TTTTG

Sequence 2513

CGGCCGCCCCGGGCAGGTACACTGGGTGATGAGGGCATCAGGTAATGCCCACTAAGGCCTC
 AGTGCAAGTCCCATCAGGAGGGATGGGAGCTGCAGACCAACGTTACTGACTTGACGCAGA
 CACAAAGCAAAAGTGGAGGACGGTGGAGGAAGAAGTAGCCCAAGGGAGGCGCGGCCAGAC
 CACTGCCTGAGACTCGTACCT

Sequence 2514

AGGTACATTCCACAAAATGAGGATGAACCTGGAGCTGAAAGTGGGAGATATTATTGATATT
 AATGAAGAGGTAAGGAAAAAATGTGTTACAAGTAAACAGTAATGGTAATTGATGCTATG
 GATTTTAGAAAAATTAATTGTAAGAATATTAGTCTTTTGTGAGAACTGTTGTCACCTTTT
 AAAAAAATGGTATAGAGTTTCTTTACTCATCCTTGTTGTATTTATATATGATTTGTAT
 TTCCTGCCTTTAGGAATAAAAATGCCCCCTTAAAGCTAAAAATTAATGAAATCTAAGTAG
 TTAAGAACGTAAACAAGCCTTTTCTTTGATTCTGAATTTACCATAGGCAAAAAGCAGTGA
 AATAGAAGGAATTTTGCCTTANAAGGAATACAAAGCAAAATCTTTTTAAACGCTTTGCCT
 TGTTTGAATTATCACATTCAAATATTAATAAAAATACTTTCCTATATTTTGATATCTTAN
 AATGGGGATTTTAAAAATTTTTTA

Sequence 2515

AGGTACCAGTAGCAATGAGCACGAAGGGGACATTGGTGGCCTTCTCATTTAAAAGAGAAA
 AGTAATTCTCCAGGCTCACCTTGCCCCAAATGCCAACTGCAAGAAGGATAACGCCAGTGA
 TCCAGAAAAATAAAGTGTAGATTAGCAGAACGCTCTTGAAACAAGTAATGACTGGTTTAG
 TCTGCAGTCTCCGAGACGGGGACGCCATGACTAGCCCGAGACCCTGCACCACCGCCCCCG
 CGTACGCGGGAAGTTTTATGTCTTGTGCTTTTTCTCCCTTAAAATATCTGTTTTCTCT
 TTCTTTGCCTCTGTAAATGTATTCTAATGGACAGTAATATTTGATTATTTTATTACTCAA
 ATCAGGTTCTACCTTAGTGTACACAGTTATGGAATATCTCATTTTGTGGTTTTTGTAGTG
 AAAAAAGAGGCAAAAAAGACACACACACATGCACACACACACATATACCACAACCTCTTG
 TACCTGCCCCGGCGGCGCTCTAGAACTANGTGGATCCCCCGGCCTGCANGAAATCNAAT
 ATCNANCTTATCGATNCCGGTGAACCTTCNANNGGGGGGGCCCGGTACCCCCACCTTT

Sequence 2516

AGGTACGCGGGGGGTGGGGCCTTTGTCTCTGGCGGCAGCCGGAGCTTCTGGTGTAGTCTT
 CACTGCTCTGTGCTTCTGCTCCTAGAGGCCAGCTTCTGTGGCCTCGTTACCTGCAGGT

Table 2

ATTGGGAGATCCACAGCTAAGACGCCAGGACCCACTGGAAGCCTAGAAATGTTGCAGGAA
TTGTGCCTTGGATCCATCCATCCAGTCAGCTGAAACCAGCAGCCCAGGACAAGTGGGCCA
GCCAACAGGACCTAGACCATGCAACCCAGCTGATCCTACGATGGAACCAAGGTGCCAGTG
AGATGACAACAGCCCTGCTCTGGTCACTCCGGAAGCTGACCAGTCCACGCACGGCTGAAG
CTTGAGGAGACAACAGCCCTGCTCTAGTCACCCAGAAAGCTGACTAGTCTATGCA

Sequence 2517

CTGATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGGCGCAGGTACGCGGGCTGGCCTCTAA
TGGAGTCACTATGACAAGAGCAGCCCTGCCTCTGGGGGGCTCACAGTCACTGGAAGAC
ACTAGAATCCTGTTCTAGAGCCTGGGTGAGGAAGTCTTGGGATTCCCCTGGGAAATGGAA
AACTGTGCAGCAGGACCCCTATGTTGCTTCCCTCTGACCTGCAGCAGAGACGTGAGGGGTG
ATTTCAATCAGAAATCTCTCAGTTCCTACCCTGAACGTCATGGCCAAATGAAATTTAG
AAGAGATTTTATCACAGTCTCAGATATGGAGATCTGCTTTTTCTGCCAGCTTTCTT
ATACATTCAGTCTTCAGGTGTGAGGATTCGGTTCATTCTAAGCATATGATGTGGTGATG
TAGGTCTTTGCTCACAGAAAGATCCATTTAGGGCAGATAATTTCC

Sequence 2518

AGGTACATTGTGATGGCTGTACTAACTAATCGTGTATTTATGGAAGTAGCAAAATTAG
GTTAGTCACACAGGCAGGAAAGGTGTCTGGAAGGACAGGAGCAACCTGTAATGCCAATAT
TGGTTTTCTTGGTATACTCAGGCTCTGTGGTCATATTGAGAACACGGATGGAGAAAGGT
ACGCGGGGACCACTTCTCTGGGACACATTGCCCTCTGTTTTCTCCAGCATGCGCTTGCTC
CAGCTCCTGTTTCAGGGCCAGCCCTGCCACCCTGCTCCTGGTTCTCTGCCTGCAGTTGGGG
GCCAACAAAGCTCAGGACAACACTCGGAAGATCATAATAAGAATTTTGACATTCCAAG
TCAGTACCTGCCCG

Sequence 2519

CTAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACANGCTGCATGTGCCTTTGGGGGGCT
AAGTAAGGACTGGCCTATCTGAGCACACCTTCAGGGACATTTATATGCCCTGTCCACCG
TCACCAGTGATAACATCAAGGGCCTGAACAGAGGACCATCCCAGCTGCTGGCACCTGTAT
ATGTTATTCATGAACCTAGAGACTGACCCACTTAGAACTGTGAGGGCCCTCACGTGACAT
CCAAGGGCCTGACGATAGATGTGCCTCGCCCTCAGCTACCACCTCCAGACACTGTTGGAG
TCTAGGCATTGGCTGGCCATACCTGCAGCTGCTGACACACACACACACACACACACAC
ACCTTTCAGGGGGCTCAATAATGGACCTACCTTGCCCTGCCACTGGCACCTGTGGGCACCTC
CCAG

Sequence 2520

NNNNNNNATNNANNNGNCTGAACGANNTNGANNTCNNGCTNNTGNANANCNNANNCCCTCT
ATGGGNGGCCNCGGCACCNAACTTNTTNNCGATNNACNGNGGNTAAATCNCCCTCTNGTN
GAANNNATNNATATNCNTGATAATTGTGCAGGCCTATTTATCACACTCCTCCTGGCTGCC
TTCAGCACAAATGGTAGCGCTGCTCACAGAACTCCTGGATCCGGCTGCACGCTTCCAGCAT
CATCACCTCGGGGACTGTGATGACCACTCGGATGAAATTCGGGTACCT

Sequence 2521

CCGGGCAGGTACNCGGGGGGGTGCAGGGCAGTCAGACTGGAACCATGGANCTCAGCGTNC
TCCTCTTCCTTGCCTCCTNACAGGCCTCTTGCTACTNCTGGTTCATCGTCACCCTAACT
CCCATGGCACCCCTNCCACCANGGCCCNCCCTCTGCCCTTTTGGGGAACCTTNTGCAAA
TGGACAGAAGAGGCCTACTCAAATCCTTTCTGAGGGAGTGATNTNATTGCCGNCAATCA
ATAATACCTTTGACCAAGGGACTCCAATCAATTCATCATGCTTTGCCTAATGCCTTTTGT
TTGTAATACTGTTGCGGGACAATCNAAGACTGGAGAGAGCAAAAAA

Sequence 2522

NAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTGTGCAAGCTGATGGCTCACAGCAG
GTGGGGCACACACTCGGTGGCCTTGTGAGTCTGGTCTGTAAGATAAAAGGTAATGTTTAC
GTTCCCAAATAATTCATAATAAACAGGGTATATTTTAAACATCTTTTTGAATGTCTCTT
TCCAACAAAAGACATTTTCTCATCTATTGTTTAAATTAATTCACAGGCTCTGCTTG

Table 2

ACCTGAAGTATTTTATCTATCCTCAGTCTCAGGACACTGTTGATGGAATTAAGGTATAAT
GTGTTAAAGTCTGTGTGGCTTTCTCTTGTCTTACTTTGGGGGAAAGGATGCCAGGAACATG
TATAGTGTCTCAATGCTAATACTCTATGATGGATTAAGTCAAAGCATCGGGAGATGACTC
ATATTATCTTAACATGCTTTCTTTTATTGAAAGTGGAAGGC

Sequence 2523

CCGGGCAGGTACGCTGTATGGTGTGTAAATGATATCTCAATAGAGTTGTTATTTTTTTAA
GGATTCCATGGGTATTTCTGCTGATTCANAACCACTGCCCCACACTACCTAACTGTGGA
ACAGAACTCCTGAAGAGTGGCAGAGAGTCACACTCCTCTTTGAACCGTGAGAGACACAA
ATACCATGGGAATAAAGAGTGGGTAGATTACAAGACAACCTCTCAATCTAACTGAAGT
CAACAGATGGGGTTTGAT

Sequence 2524

CCGGGCAGGTACCACTGATACCTGCTGCTTCTTTCTGGCATCAGGGTGACTCCAAA
TCTTCTAGCAGCACATTCCCAGGAAGCAGGCTATCACTATCTATAGTGCCAGAGCTTTTA
GAGCTAACAATCAGTCCCCGCACTTTGAGCTTTTGGACATTGTGAATGGCTCAGTAACT
CCTGCTCGTGCTCCCTGGGAAGGCATGTATTAATGGCTTTCTCTTCTCCATCCACAGGCT
TTGTGGACATGTGTGTGCAGCATATCCCTTCTCCAAAGGTGGGCGCCAAGCCCAAGATTG
AGCACACCTACACCGGTGGTGTGGACTCCGACCTCGGCGAGGCTATGAGTGACTGTGACC
CTGATGTAAGGGCATGTGGCTCCCCGGTTCTCTGGTCTTTTTTCCCCTTCTGTGTGGG
GATACTGATTTCTGGTCACAGGAGTAATGCCCACTTTCCACCCCTTGCCTCCCATCCCCA
TGAGCACAGTCAGGCCTGAATGCAAAACCTGATGTTGCCACCGCTTAGTGCTATTACCTT
NGGGAACATTACTCACAATTTCTGAGCCTCAAAGGCCTTTGGGTCTATTAACACGNAGC
CTTAATTAATAAATGTNGAGCCGGGTGTTTTTGAAGATTTTAAATA

Sequence 2525

TCCCCGCGGTGGCGGCCGCCCGGGCAGGTACATACTTTTGACAGGCACTGAGTGGCACTG
TGCCCTGCCACTGTTGCACCAGCAATATCCACCCGGTTGCTTCTGAGCACAGGGCGCAG
CCATGACTGATGTTGCTGGTATATCATCTGCGTTTTTTCATCTCTGCAGATCACTATGAG
AAAAGACAGGGCCAGCCTCATCAGAGTAGTACTCAAAATGAAATGCCTCACTACCCCTTGCA
CCTACTGAGAAAACCTCCCTCACTTGCTTTCTATAGACTCCATTGCATACTCCCTTATTGA
AGAGACACAACCTGGAAAGACAACAAGATAATGAATACTGGCCAAACACCGGTGACTGATG
CTGGTNATCCCAGCACTTTGGGTGGGCCCAGGTGGGGTGAATCACCTGGANNCTCAGGAG
GTNCGAGACCAGCCTGGCCAACATGGTGAAACCCCATCTCTACCAAAAATACAAAATGA
GCCAGGCATGGNNGCAGGTGCCTGTAATCCCCTACTTCAGGAGGCTGANGCAAGGAGT
TTGCTTTGAACCCAAGGAAAGTGGGGGTGCACTGAACCCNAAATTGTACCTTCGGCCC
GCTTCTNAGAACTAGGNGGGATCCCCCNNGCCTGCAAGGGAATTCGATATCAAAGCCT
TATTCGNNTCCCGNCGACCCTCGANGGGGGGGGGGCCCGG

Sequence 2526

AGACACTCTACACTGTGAGTGTCCCCTGATATCCCTCCCACTCGGCCTGATCAGTGGTA
TCTGACCTCCAACTACTCGCTGCAACAACCCGTTCTCTAGCTGAGTGGGCCTGGACTTTG
AACAGAATTAACAGCCTGGAAGTGGAGTTCTCAATCTCAACAGCCCCTTACCTCATGCAA
ATTTCTTTTGAGCTGAAAAGAACAACAGAATGCCACCTTTTAAACAACCTTCTTCGAA
ACATGGGGGGAAAGTCAGGTTTTATATAAATCAGAGAGATAGAAATAAGGCCATAATAA
AAAACCTGAAATAGATTTGGGAAGTTTCCGAAACTTCCAAAACTAGTGGTCCAAAGTGG
GGCAANATTTTTGTGTGCATTGAAGAGGCCCTNCCTGTTTCCTTGGGCCATGCTGGTGT
CTTGCCCCGTCCAGGAACCCGGGGCT

Sequence 2527

AGGTACAAGTGAGAAAGACTAGAGAGAAAGATTTTAGTCTGTTTAGCAGAAGCCATTTTA
TCTGCGTGACATGGATCAATATTTCTGATCCCCTATACCCAGGAAGGGCAAAATCCCA
AAGAAATGTGTTAGCAAAATTTGGCTGATGCTATCATATTGCTATGGACATTGATCTTGTG
TTGCAATTTTTTAATAAGTAAAAAATTATGATTTTACTTGATCTTAAGAGATCATGAAC

Table 2

CTATAAGTTATGATGAAATCTTGCTTGGAAGGGACACATTGGGAGAAAGACCTATTGAGG
GATGGTGAACACATATGGTATCTCTTGCTGCTGCGACAGGCTCATCACTCCACTTGC
CCTGAGCTGATTGGGAGAACAGGGACACANTTTCTCGCTTGCCACCCGTTAGGCTGTGC
ACCGGTCCCAGTTTGAAGGAAAGGAGATAAGCGAANTCCCGTTGACCGTCNACCAAACCT
NGCCTTCCCGTGACCCATGTCATTTGGATGGCCCCAGCCCANAAANTCATTTGGACCNCC
TTGGCCAGGCTCCCTTTTACCCCATANGTCCTTTGGGAGGGGCGGNTNGGANTTCCGTCC
GGAAGTTTCTGGGGGGATAANCCAANGNAATTCCCTTCTTTTGGGAAAATGGCCAGNC
CTTTNATTTGGGCCCTCAATGGGAAAANGCTTTCNAAACCCCTTNTTNGNAACCAANGGT
ANCANTNTNTTGNNGAACTTTTNNNGGCCCTTCGAAAAANANACTNGTTTGCAGGGGG
CTTGGAATTTTCTTTCNAGGGCATTTGACCTTTNGNCCCAGNNCTTTTTCNAANTTG
GGNTTTTAANANNTTCCATCCTTCCNCCCCCCCCCCCCCCC

Sequence 2528

TCCCCGCGGTGGCGGCCGCCGGGCAGGTACCGCGGGATGTTTTACCTAGGTAAATTATC
CTGCTCATAACTTGTAACCTTTATCTGTTTTCTGTCTCCATTTCTTAATCATTAAAGGTCA
ATATGGATTCTTACTCTCTTCTTCAAATTGTAATATAATTGACAGGTTTAATAAATATAG
GTCAGGTTGAGGTTGAGTTGAGTGTGTGTGTATGCGTGGTGGCGGGCACCTGTAGT
CCCAGCTACTCGGGAGGCTGAGCCAGGAGAATGGCGTGAACCTGGGAGGCGGAGCTTGCA
GTGAGCGGAGATTGGGCCAGTGCCTCCAGCCTGGGCAACAGCGAAGACTCCATCTNAAA
AAAAAGGAAATGTGTATCAAGAACATGATTATCCAGGGGTATTTTCTAATTCAGATCAT
CAAAGTATTATATAGAAGAGTTGGCTTTAAATGTTTCAAATGTCTTTTTTTTTTTTA
ATACTGGGAAGAAAAAATATTTCTGGTTGGGGTCTCAATACCAGGTGCTTTAGGANGT
TCTTTCANAGGAGCTTTATTTAAAAAAGGATGAAAACCCCGGNTNGNAAAAAANAATA
TAAANATNTNTNAANNGGTTNCCCTTCNGNCCGCNTTTTAAAAAACTNAGGGGGNNTC
CCCCCGGGGCNNGCNNGGGAANTTCGGTTTTCAAAGCNTTNTNCGANACCNGNCCNC
CCNCCAANGGGG

Sequence 2529

CCGGGCAGGTACAAGGGCACTCAGGTGTCTGGTGTGGACATTGACTATGCCCGGGCCAGC
AAACAGGTCTGCAATGACATCGATGAATGCAACGATGGCAACAATGGTGGCTGTGACCCA
AACTCCATCTGCACCAACACTGTGGGCTCTTTCAAGTGTGGTCCCTGCCGCCTGGGTTTC
CTGGGCTGGGAATGGGAACGTGTGTGGGACTGACACAGACATCGATGGCTACCCAGACCA
AGCACTGCCCTGCATGGACAACAACAACACTGCAAACAGGACAACCTGCCTTTTGACACC
CAACTCTGGGCAGGAAGATGCTGATAATGATGGTGTGGGGGACCAGTGTGATGATGATGC
TGATGGGGATGGGATCAAGAATGTTGAGGACAACCTGCCGGCTGTTCCCAACAAGACCA
GCAGAACTCAGATACAGATTCAATTTGGTGTGCTGTGACAATTGGCCCCAACGTTTTC
CAACAATTGACCAGAAAGGACACAAGATTGGCAAATGGGGGAAAGGAGATTCTTGTTAC
AACNNACCNTTNGNATTGGGGATTGTCATCCCAANTGGGATTGGAACAAATTGCCCCC
TAAAAGGTCCCCC

Sequence 2530

GAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACCGGGGGGACAACTCGGTGG
TGGCCACTGCGCAGACCAGACTTCGCTCGTACGCGGGCTTTATAATTAATATAATGTTTC
TGATTAGTGTTATGATAGGCCTCATTTTATTAAAGTCTTTTATACTTGGATGAAATTT
TAATAACTTTCTCATAAATGTCTTGACATTTTATAATAGGCTTATTCCTAGGTGTTTT
ATAGATTTTATGTTTTGTTGTGAGTCTTTTAACTTACATAAAAATATGGAGAATTAGCA
TATTCACATATCTATTTTGATGTTTATCATACGGAAGTTTTAAATATAGTAAATTCA
GTCTTTCCATTTTTTTTGTATTTAAGAACCATTCCCTAGCTAGGGNCATGAATACAT
TCTTATGAATTATTAATCCCATATGGATAGCTAGTTTCCCTAGCACCTTTAAAAAATAGT
NTTATTATTTNCCCTCTGATGTATAAGGCCACCTTTACCAATTTACATATAATGTACCTC
N

Sequence 2531

Table 2

ATGCTTCTGGGGTGA CTAGAGCAGGGCTGTTGTCTCCTCAAGCTTCAGCCGTGCGTGGAC
TGGTCAGCTTCCGGAGTGACCAGAGCAGGGCTGTTGTCTCACTGGCACCTTGGTTCC
ATCGTAGGATCAGCTGGGTTGCATGGTCTAGGTCCTGTTGGCTGGCCCACTTGTCTGGG
CTGCTGGTTTCAGCTGACTGGATGGATCCAAGGCACAATTCCTGCAACATTTCTAGGCTT
CCAGTGGGTCCTGGCGTCTTAGCTGTGGATCTCCAATACCTGCAGGTAACGAGGCCACA
GAAGCTGGGCCTCTAGGAGCAGAAGACACAGAGCAGTGAAGACTACACCAGAAGCTCCGG
CTGCCGCCAGAGACAAAGGCCCCACCCCCCGGTACCT

Sequence 2532

CCGGGCAGGTACAGATGTCCAGTAGACCTACTGGATATGCAGGCCTGCAGCTCGGGGGAG
AGCTGGGTTAAGAACCGTCAAGGCAGTAATCATCTGCATTTAGATGGCGAGTGAAGCCAT
GACAGGGGCTGAAATGGCCAGCAAGAATAAATCAAACCATGAGAAACACATACATTTAA
GAATAAGGAGATGTGGTCAGGCGCGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGG
CCGAGGCGGGTGGATCAGTTGAGGTCAGTAGTTTGAGACCAGCCTGGGCAACCTAGTGAA
ATCCCGTCTCTGCTAAAAATACAGAACTTAGCTGGGTGTGGTGGTGCCTATAGTCC
CAGCTGCTTGGGAGGCTGAGGCACAAGAATCGCTTGAACCCGGGAGGTGGAAGCTGCAGT
GAGCCGAGATCACACCACCGCACTCCAGCCTGGGCAACAGAGAAAACCCCTGTCTCAAAA
AAAATAATAATAAGGAGATGTCATGGGCTCGGGGGAGGGGGAAATGGGGAGCGCTGTTGT
TTGAATGGTATANTTTCAAGTTTTGGGACTGAGAACAATTCTGGGANGATGAATGGTGG
TGATGGCTGCACAANCAATGTGAGGGCACTTTNTGCCACTTGAAGTAACAGATCCTTTC
AAAAATAAGCCCGNTCCGCGTACCTTGGGCCCGTTCTAANAAC TAGTTGGATCCCCCGGG
CTTGCNAGGAATTTGANTTTCAAACCTANTCCGATTNCCGGNCGANCCTTNAGGGGGGG
GG

Sequence 2533

AGGTACGCGGGAGGCTCGGTGGGCGCGGGCGGCGAGATATGCCACACTTCTGCCTGCTGT
TGGCAACCCTCCTGGACTAGGCTGCTCTTGTAAATCACATGGATGTTGTGAGTATTATAT
TCACAAGTGGATGTAGAGAAGATATTTTTTAACTATAAATGCTTACCACATGAGCTA
CTCATGCTTCGCAAAAATATATTAACATTTGTGATCTGGAGTTTCATTAATCTCAGGGA
TTATGCTGCTTGTTCATTGGTTAAATAATGTGGTTTCAGTATCTTCCCCTAATCATATTG
ACTTTTTATGAAAGAAGCTTTGACACAAAGCTGTGTCTCAGAATGTTTTGATGTAAAGGT
AGCTGCTGATCTTAATTTGCAATTGTGGATTCATTTCTATCTTGTATGCTTTTATGTTATA
GGTTCCTTAAGGTTGCCAGCATGAAAGTGCTTCAGATGGCTTTGAGTCTAATCTTGTGG
TTCTGTTCACTGAAGATAAGCCAGCAATTTTTTGGATTATTTTATTTT

Sequence 2534

ACGCGGGGAGGCTCCTGGGGTGGAGTCCAAATCACTCATTGTTTGTGAAAGCTGAGCTCA
CAGCAAAACAAGCCACCATGAAGCTGTCCGTGTGTCTCCTGCTGGTCACGCTGGCCCTCT
GCTGCTACCAGGCCAATGCCGAGTTCTGCCAGCTCTTGTCTGAGCTGTTANACTTCT
TCTTCATTAGTGAACCTCTGTTCAAGTTAAAGTCTTGCCAAATTTGATGCCCCCTCCGGA
AGCTGTTGCAAGCCAAGTTAGGAGTGGAAGAGATGCACCGGGATCAANATGTTCCCTTCA
NNAACCGAAGCCTCATTTNCGGAAAGTTCCCTGGTTGAAAAATATTTGAAAGAAAATGT
AGGTGGTGTGACAATGTTAAAAAACTTTCCATCCTGGGTTTTCCACTGGTCTTTTTCA
ATGGACACCCCTTGAATNCTTTTCACTTGCCANAAATGGTAAAAGGGGTTTTCAAACCGT
TCTTTGGCTTTTAAATAAAAAATCAACTTTNNCTTCTTGCCCCNAAAAAATAANNTNTC
NNTGNGACNCAACAAAAAAAGGTTCCCTTGGCCCCGGGGCCGGGCNCGGCTTTTTTAA
NAACTTANGTGGGGGATTCCCCCCCCGGGGCTTGNCAAGGGGAAATTTTNTTTATTTCC
AANGCTTTTATTNGGATTACCCGNTNGGACCCTTNTNNANGGGGGGGGG

Sequence 2535

CCGGGCAGGTACGCGGGGCGAGCATTCTTTACCCAGCTTCTGGGGGCTGCACCACTCC
AATCTCTGCTCCCTGGTCACATTGCCTCCTCTTCTGTGTGTCAAGTCTCCCTCTGACTCA
CTCTTAAAGAACATTTGTGAGGCCAGGCACAGTGGCTCACGCCTGTGGTCCCAGCAGTT

Table 2

TGGGAGGCCNAGGAGGGCGAAATAACTTGAGGTCAGGAGTTTGAGNACCAGCCTGGCCAA
CATCCTGAAACCCCATCTTNTACTAAAAATTACACNCACACACTACACCACNACCACACA
ACTACACGNNAAGTTAAACCTGGCCGTGGGTTGGCAAGGCACCACTTNAATCCCANACACC
TTGGGGAGGCCTGGAGGGCATGGAGAAATTTGCTTTGAGCCGGGGGAGGCAAGAAGGGTT
GCAGTTGACCAGTAGGATTGTGCCCACTGGCANTTCTGGGCCTGGGGGCAAACCCAGAAGC
GGAGACCCCGNTTTTCAAAAAAAAAAAAAAAAAAAAAATTTCTTTAATTTTC

Sequence 2536

GCGGGAGGCTGACGAGAGCCGGGAGGCGTTAGCGAAGGANGAGAAAAANCAGACGAAG
CCACTACAGCGTCNCAGCGCGGCGGCGTCTGCTTTATAGGAGAGGGCGCAGGCCCCCG
CGTACCT

Sequence 2537

CGAGGTACAAAGGGTGCCGTTTCTTACAATTTTAGTGTCATTAGTGTTGGATTTTATAGAG
GTTAGATGTGACATATTGTTGTCTCCCCCACCCTATCCCGAGTTGGTGCTTCTGCTTTCA
TGTGACAGTAATAATTCTGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGG
AGTTTGAGACCAGCCTGGCTAACATGGTGAAACCCCTGTCTCTACTAAAAATACAAAAATT
AAGCCGGGGCATGGTGGCTCACGCCCTGTAGTCCCCAACTGCTTTGGGGGAGGTTGAGGGC
CAAGNAGAATNGGCTTGAACCCCCAAGGAGGNTGGGAGGGTTTGAAGTTTGAAGCCCCG
AANTATCCGCTGCCCCANTTGCCACTTCCAANCCATTGGGGCCCGACCAGGAAGCNAANG
GAACTTCNCANTTCTTTCAAAAAATTTNAAAGGAAAAAGGAAAAAGGAAAAACCCAAAAAG
GAAAAANGGAAAAAGCCTTTATTNNTTTGGAACTTTTCTNTTAAANAAAAAAGNAA
AAAAAAAAAAGGNAAGGCNCTTNNAAATGGCNACCACCAAAAAATNTAAAAATTTTTN
GGCCNAAGGTTTCNGATTTCNAAATTTAAAAANGGGGATAATTTTATTTTGGCCATTCAAC
CAAAAAATAAANTTCTTTTTAACTTCCCCCCCCCAAAAAATTTTAAATTAAANAAA
NGNTTTCAAAAATANGCAAACNTTTTTTCC

Sequence 2538

CCGGGCAGGTACCTTTTACTCATTTATAAAGAAATGGAAATTCCTTACTGAATGAGTGA
ATGAATAAATGCATGCAATGGTGGTTGTCTTACACTTTATATAACACGTCCTCTGGATT
ACTAATAAAAAATGCTGTAGGCCTCTTCCAGCGGCTTTCCCTCATCCTGGTCTGCATTGC
AGGGGCTGTGGCTGCAGCCAACACTGAAGACTGCACGGCACCTGAGGAGACCAACATCTT
GTCTTTCAGAGACGAGGGTGATGTGATGAGTCACTTCTTGGTCTTTCCCTCTCTCTGCG
CATGTGGTGTGACCCGTGGTGCTGCCAACCCGAAGACTGGACTTGCTACATACGTCAGC
AGTGGAAGAGAGCCGAGTTACCCCGAGTTACCAATGGCGAATCCCTATGGGTCCACAGCA
ACTTCAGTCCTTGCTCCTCAGAAGAAAGAAATTCNACTGAGGGGCGTTAAGGCAGAAAAA
GAGAGCAAGTTTCAGAGCCNNGAGTGGAAGTTTAGTTTAAAAAGGCTTTNGAACAGGGAA
AAGAAAAGCAAAATTTGCTTTGNAAGAAGACCCCAACCANGCGCCTNGAAGGTNCCA
TGAAGAAGAAAAAGGAGAGCCCCACGNAAGACAGGTAAAAAAGAGGGGGCT

Sequence 2539

AGGTACGCGGGGAGAGAAAAAGAGAGTAAGGGAGGAGGGAGGGATAGAGAAGGGAGTGAG
TTAGCAAAATGCCACACTGTTAGTTGCAAACTGGCACAAGGTGAATGCGGTTTCATGAGG
CTCGCTTGATTAAGAGAGCTGAAACAGGAGCAAGAGCAAAAGGCAACCTGCAGCGAAA
GCAAGGACTCAGGGAACCGGCAGACACAAGCAGCCTCTGCAGGTGTGCGAGCAGGATTGC
TTCTGCAACAAAANCCTCCACCCAGCCACTTCTTGGGAAAAGAATGGCCACTTCTTGGGG
CACAGTCTTTTTTTCATGCTGGGTGGTATCCTGTGTTTTGCAGCAGCTGTCNCCCACAGGA
ACCANCCANACTTGGTTTGAGGGTATCTTCTGTCTTCCATGTGCCCCATCAATGTCGGC
TTTTANAANTANTGGATCCCCCGGGTCTGCATGAATTCTGATATCAAGTCTTATTCGATA
CCGNCGACCTTNGAGGGGGGGGCC

Sequence 2540

ACTTTGCCAAGCAGTAAAGGATCCAGGAGATAGCACTGGATGTGGTGTGTCATGTCCTGCAA
ACATGAACGTTTTCACTTCAGCCTGGAGATCTGCTTCAGAGAAATCTTGGTGTTTTCGC

Table 2

TTTTGGCACTCAAAAGTATGTCCAGAAAATCCCAGCGCCTTTTCTGAGTAGTATCTTGTT
TTAGCTTATCCTTAAGAGACTCCTTCCGGNCCTGGATTACTTTCTCTGTGAAGTGGTGAA
GTCTTTGGTTAAATTTAAGAAAAGATTTGGCCTTGAGAGCTGAATTTGAAAACCAGGTCG
TTGTGATGTAGAAAATTGTCATGCGCTGGTTGGAGATTTTGCTAAGGTTGAACACTGCT
TTCAGGTATGAGTCCAGGGTACCTCGGCCGCTCTAGT

Sequence 2541

ACACGCCTGCAGAACCATGAGCCAAATAAACCTCTTTTCTTTATAAATTACCCAGCCTCA
GGTGTCTTCTTTATAGCAGTGCAAAAAACAAATGAACACAGTCCCATTCAAGTATTTCAAAA
AGAATCATTTACCAGCCATTGTCTGCTCTGTGGGCCCAAGAGACTTTGTCCAGGTCAC
GCGTGTCTCCAAGTCCATTCAATTTCCCCGTA AAAATGTTACTATCCCTCAAATTGCCAC
ATTTCCCTCATCTCCAATTGCCTTATGAAAAAGGGTGTATAAACATTTCCATTGGGTTGC
TGGGCATTCAATCTCCTGCAATTTCCCCCGTGCTATGCATGTTAGAATAAAATTTGTATGC
TTTTTTTCTTATTAATCTGTCTTTTGTGATATTCAAAACCTNCAGAAAGTAAAGGGG
GAAGCTTTCCCTTGGTCCCTACAGATGAGGTGCTGTGAACAGGATAACCGAAACCACTCT
GCTCTTCTGGAANCCAGATTTCGAGGGAACCCCAAGACCTTNATATGCCAGCCAAAAGGGGA
GAAATCTTATCAGTCACCTCTTGGGTACCTCTTTGNNGAAAACTGNTTAAGTAGGG
GNGGTAAAAAATAACNGGTCNTCATTTTTCCCTTTTTT

Sequence 2542

ACATTTTGTACGGAGTCCACAGAGCTGAGCTTTTGAGCAGACTCTGAGAAGTATCATTG
CTTGTTGTAAGAAATACAACAGGATTTAAGTTTCTTTAGAAATTGCACTGAAGAAAG
GCCGGGCGCGGTGGCTCCCCCTGTAATCCCAGCGCTTTGGGAGGCCGAGGCGGGGGGATC
ACGAGGTCAAGAGATCGAGACCATCCTGGCCAACATGGTGAACCCCGTCTCTAATAAAA
ATACAAAAATTAGCCGGGCATGGTGACGTGCACCTGTAGTCCCAGCTACTAGATAGGCTG
AGGCAGGAGAATTGCTTGAATCCGGGAGGCGGAGGTTGCAGTGAGCCGAGATCGTGCCAC
TGAACCTCAACCTGCCAATAGAGCGAGACTCCGTCTCAAAAAAAAAAAAAAAGGAAAGA
AATAGCATTGAAGAAAATACCGCACATCAGAGGAAAGCTTATTTTCTGCATGGTGTCTTT
TCAAAGATAGAATATTTGAAGCATGTTTTCTAGCCATTGTGTGGATGAAGGTGAAGTGGC
TGAGGCATCGCTCAAGCTGGGGGGTGGTGTGTA AAAAGCACGTGGAGCCACAAGAAGCCC
TTNTATAGTCAAGCTAAAGGCTTTCCCTTTTTTGCGCCCAACTTTTTT

Sequence 2543

TGCATAGACTACGTCAGCTTCTGGGGTGACTAGAGCAGGGCTGTTGTCTCCACAAGCTTC
AGCCGTGCGTGGACTGGTCAGCTTCCGGAGTGACCAGAGCAGGGCTGTTGTCTCTCACT
GGCACCTTGGTTCCATCGTAGGATCAGCTGGGTGTCATGGTCTAGGTCTGTTGGCTGGT
CCACTTGTCTGGGCTGCTGGTTTCAGCTGACTGGATGGATGGATCCAAGGCACAATTCC
TGCAACATTTCTAGGCTTCCAGTGGGTCTGGCGTCTTAGCTGTGGATCTCCAATACCT
GCAGGTAACGAGGCCACAGAAGCTGGGCCTCTAGGAGCAGAAGACACAGAGCAGTGAAGA
CTACACCAGAAGCTCCGGCTGCCGCCAGAGACAAAGGCCCCCGCCCCCGCGTACCT

Sequence 2544

CGCGGTGGCGCGCCCGGGCAGGTACAATTACCCACCACTGGATTTGNCTCANANAGGA
CCCCCAGAGGNNAAANCCATCTTCCCTATTTATNNNCCAGCCCTTGAGGGCTTCATTGT
AGATCAAAGTCAAGGCCCCCAGGAAGGTGACATACTCCTGGAAGTTCACTCCTGGTCTCT
TGTTCCGGTCCAAGTCTTCCATCAGCCTTGCAATTTCAAGCATCCTGCAAGCTTCGNAGC
CAATGGTGAAGCTCCTTCTGGGATCAAGCTCCCTTTCAAGCTTCTTCTTTGCTTCAANG
GNTTGTGCTTGGTCCAACCCCTTCCCCCTTGCCCGGNAGTTACCAATTGGGGAACCCCT
TGAAAANAAGGGGGGCTTGGCCTTGTTTTTCCCCGAAAATTGGTTTTTCCCAATTTT
TCCAACCAAAGNGGCCGNCCCAACCCCTTGGCCTTTTGCCCCCNNGGGGGGTTTGGGGT
CCCTTTTGAAAAAAGAACCACCCCCCAAAAAATNGGTTTTCAATTGCCCTTTCAAN
AAAAAAGNGGCCAGCCCATGNAAATTGGCCCTTTTTTTAANGGAAAAATTTCTTTTTT
TNAAGGTAAATTTTTGGNAAAGGTNTAATTTNTAACNAACTTTTGGGTTAAAA

Table 2

NAAAAAA

Sequence 2545

ACAAGTAGTCAATTTCCAGGTGAAGACCCTGGTGGACTGCATTTGACTTGTCATGCCGCC
TAACATTCAAGGGCAGACCCCCAGAGAGCATTTCTGCAAGGGATTACACTCACCCGTTT
CTCGGACCCCTCCATTCTGCTGCCAGCTCAACCGCAGGTCCAAAGAAACGGAGTCACTCG
CACTACCCTACTTCCCCAGCGTAAGCAGTCTCAGGCCGAGGCCCCACCAGTGGGCATCCT
GAGTGCACCCCATGTCAACACAGGCTAGAGGGGAGTCAGGCAGAGAGCACACAGGACTG
CGGCCTGCAGCGGAGTTAAAGGGCTTCACCGAAGGGCTGCCATCCTTTAAGGGGGCCAGG
C

Sequence 2546

CGCGGTGGGCGGCCGCCCGGGCAGGTACTATCTTTCAACTTCTCCATATATCTATAACT
ATTCTAAAGTAAAAGTTTATTAATTTCTAAACGAAGGTTACTCCCTAAAGAATACAATT
AAGATACGTAGCTTGTAATCAGGTGAAGAAGGAAAAAGTCGATTAAAAAATACTTAGTT
CAAGAGGGCAGGAAACCGGGCGTAGTGGCATGCACTTGTAAGTCCCAGCTGCTCACGGGGC
TAAGATGGAAGGATCACTTGAGACCAGGAGTTCAAGGCCAGCCTGGGCAAAATAGTGAGA
CCCTGTCTCTAAAATTTAAACTTTTTTTTTTAAAGACAGGAGATAAGAAAAAGTTGTCTAT
GGGGGGAGAGGTTGATAAGCATTATATACAACACACAAAAAGAAAGTGGCAAAAACAA
GTTTGCATTTTAAGGATGCGGTATCTCCTGTCTGTTCCCTAATTTAA

Sequence 2547

AGGTACCGTGAATCTTTAAGTTTtagggTGTGGGGTTTTCCCTTACCAAATGCAATATT
ACCCATAGAGTAGAATAACCTGAGTTAAATAGCCTCTTTGAAAAACATTACATAANAGGCC
AAGTGGGTTATATGAATGGCTACTCTGTCTTGATTCTCAGTACNATGCNCAATTCAGTCC
ATGCCATTGATGGCCAGCACTGCATGACCCACTCGGATGCCGTCCCGCTGGCCNAAAGCA
ACCAACACACGCTCATCGTGTAGCTTGAGCAGCAGATCCAGCGGATAACTGAAAGTTTTCT
TCAGCCTCAGCCCGTGGCGCGTAGCTGTCCAAGTGGTAAATCA

Sequence 2548

GCGGGAGGGCTGACGAGAGCCGGGAGGCGTTAGCGAAGGAAGAGAAAAACCGAAGACGAAG
CCACTACAGCGTCGCAGCCGCGGCGCGGCGTCTGCTTTATAGGAGAGGGCGCAGGCCCCC
GCGTACCT

Sequence 2549

CCGGGCAGGTACATACTTTTGACAGGCACTGAGTGGCACTGTGCCCTGCCACTGTTGCAC
CAGCAATATTTCCACCCGGTTGCTTCTGAGCACAGGGCGCAGCCATGACTGATGTTGCTGG
TATATCATCTGCGTTTTTTTCATCTCTGCAGATCACTATGAGAAAAGACAGGCCAGCCTCA
TCAGAGTATGACTCAAAATGAAATGCCTCACTACCCTTGACCTACTGAGAAAACTCCCT
CACTTGCTTTCTATAGACTCCATTGCATACTCCCTTATTGAAGAGACACAAGTGAAGAC
AACAAGATAATGAATACTGGCCAAACACGGTGACTGATGCTGGTAATCCAGCACTTTGG
ATGGCCGAGGTGGGTGAATCACCTGAGCTCAGGAGTTCGAGACCAGCCTGGCCAAACATGG
TGAAACCCCATCTCTACCAAAAAATACAAAAATGAGCCAGGCATGGTGGCAGGTGCCTGTA
ATCCAGCTACTCAGGAGGCTGAGGCAGGAGTATTGCTTTGAACCCAGGAAAGTGGGGGT
TGCANGTGAGCCCGAGATTTGTCTCGGCCCGCTCTAGAACCTAGTGGGATCCCCCGGG
GCTTGCAGGGAATTCGAATNTTCAAAGCTTTATCGATACCGTCCGACCCTCGAAGGGGG
GGG

Sequence 2550

CCGGGCAGGTACGCGGGGAGATATACTGAGTGAGCCCTGAGAAGCAGTCTCAGATCCTGA
CGGTGCAGCAGCCCGCAGCCTCAGCCAGGGAGTCCCAGCCGCTTTCAATGGAGGAGAAGC
CCGGCCAAGTATCTCTTTTCTACAGCCTTATTAACTAACTACAAACATTTATTTCCAA
TTTAGTTTTACTTTTCAAGTGCATATCAAAGTTGTTGTACCT

Sequence 2551

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAAGATGTAGC

Table 2

TGTGTAGTCTCCTTCCATAGCTGCTCTAAGGGGGCTGGCAACATGGCTCANCAGGCTTGC
CCCAGAGCCATGGCAAAGAATGGACTTGTAATTTGCATCCTGGTGATCACCTTACTCCTG
GACCAGACCACCAGCCACACATTTAGATTAAAAAGCCAGGAAGCACAGCAAACCGTCGAG
TGAGAGACAAGGATGGANATNTNGAAGACTCAAATTGAAAAGCTCTGGACAGAAGTCAAT
GCCTTGAAGGAAATTC

Sequence 2552

CCGGGCAGGTACGAGTGGAGGACAGGGACAGAGCCCTCTGTGGTGGAAACGACCCACCTC
GAGGAGCTTCTGAGCAGGTGGCAGAAGATGCGGTAAGATGGGCCTTGTGATGAGCTGTA
GGAGTGGAGTGGGAGCTGCTTGTCCCTCCCCACCCCAACAGCCCAACCAAGACCCAG
AGAGAAGAAGGGAGGATTTCTGTGAGAGTGACTGTAGGTAGAAGGGGCCAGGAGGCCCTA
CTCCTTTATTTTCTGAGTATAGGTGAGTGAGTGCCACAGAGGCTTTGCAAGGTGGTTCCG
CTTTGAACTCGGAACCTCCATCATGTGAGCTCTCTGAAGATGGGCTTTCTTTGGGGTAGC
TTAGAGGCCACTGCATTTGAACAGTGTGCTCTCTACAGAAGCAGCTGAGGCCTGTGGGAA
GGCAGCCCCACCCTCCTTTTTTAAATTAATTTATTTTGTAGACTGGGCCTTGCTCTGTTG
CGCANGCTGGAGTGCAGTGGCATGATCC

Sequence 2553

NCCCCCCCACCGCGGGGGCTGCCGAGGGACGATNNGNCCGNGTTGNAAAAGCNACCGGNC
AAAGAAANAGNAGGGNGCNAAANGGGGGGGGCCNTAGGAGGCCGNNNCNCCGNGACA
NGGAAGGCNNNGNAGNGATGGACCCANACATGAAACAGANGAAGCAGCAAAGGCAACCT
CCCGNCAAAACNCGACCGGGCANGNCAACGCNNGGGGGGAGAAGCNCTGGGCCGGGAAAA
NGAAAGGCAGAAAGGACAGGNGGGCCGGGAAGCCACAGACATGNCANAAAAANAAAA
AACCCCAACCGAGCCAATNGGNGGACAACAAAGAGGGAGAAACCAAAACCAACAAAA
CATGGATNCCCNGGCCAANGGGNGACCCNACNGGGGATNNGGAAAAACNGCCNAANAGG
ANNCCNGGAAGGNANCCAGGCAAAAGAAAAAAGCCCCGGGACTCGGGCAAAAAANA
AANNCGNAAAAGGNCCCGAAAGCAAANGGGGCNTNCCNAANCCAAAGNAGGGNNGANGAA
AAAAAGGNCNNNNNTNNAANAAAAACCNACGGGACCCNNGGGGGGGCCCCCAAAAAANAAAG
NAGANNNGGNGGGGNNNAANNNNAAAAAAAGGGGGGGGNGGNNAAANCAAAACNNNAAN
NNAACCCNAAGAAANNAAGGGGGGGGCAGNNCCANACNAAAAAAGAAAAAANACGN
NAANANGCGNNGAACCCGNGNNAANNAANAAAAAAGAAAAAGANNAGNGNNNNNNNA
NAGGGGNAAANAGNGGNAAAAAAANCNCNCAAAANNGGNGGNAAAAAAANNGNGGGGA
AAAAANNGACNAAAAAAGGGNAAANNNNAAAAAAGGGGAAAAAAGAAAAAANAGAA
GGGACAAAAAAGGGG

Sequence 2554

GCATATATATGTATGCATGTAAATGAGCTCNTATTAGCTGTGTTTATTAAAGGTNTTCTC
CATNCTGTGATCTGCTTTTAGATTNGNAACACATTTATGNGTGCACATTCCATTTGTA
TTATTTAATATGACAACATTTANTACTATTATTATATCNCATCAATTCAATCACATAN
TACTATATCCCTGGATAATGACCATGATCCTT

Sequence 2555

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCACAACTTTTAGCCCCACGAGCTGC
CTGTTTCCTAATTATATTTAAGCAGGTGAGGTGCGCCTTTATGTTAAGGAAAATCACACG
GGCTGAGAGTCGCTGGCAGCACAGCTTGAAATGCTTCTCAGATATTAAAGCCCGCTTGCT
TTTCCAGGTGGGATACACTCGCTTTCTTTTGACAGTAATGCATGTTTCCCCATTAGACA
AACCTGTTTTACTACATTCATCAAGAAACCAATGATGCTGCCTCTTCTGCTTTGCAAAT
TATCTTTTACACGCGCGTACTCCCTTCTTAGGCAGATGGTTTACCAAGTGCTACTTAT
TTGGTTTGCCTTTTNGACTATTTTTTGAGGATGACGTCATTAATCTATTGCTGGAATCTG
GGAGAGCTGCTGTTTTAAAGACTTACTGGAGCTGCCACGTTNTTGAGCAGATAAATGTGG
AGAGCCCTNCGAGGAGGAACGGAAAGAAATTTTATTTGCGTGAGCCGGTTATGGGATTT

Sequence 2556

CCGCGGTGGCGGCCCGGGCAGGTGCATATATATGTATGCATGTAAATGAGCTCTTAT

Table 2

TAGCTGTGTTTCAATTAAGGTTTTCTCCATCCTGTGATCTGCTTTTAGATTTTGGAACACA
TTTCATTGTGCACATTCCATTTGTATTATTAATATGACAACATTTATTACTATTATTATT
ATCATCATCAATTCAATCACATCTACTATATCCCTGATAATGACCATGATCCTTTTAATA
ATCACAAAACCTCTCTTCCCTTCATCACGGGGTAAATAACCTATCACAATGCTGTAAGTCT
CCATCAGCACCCCAGGCTGCCCCTGCTCACTTACCAGATCTGCTACTTTAGCCAGATCAA
TCATCATGTTAATGTCACACCCACATTCATAATGGTGAGTCTGCGCTTTTACCTGACA
CGATCGTCACAGGGCCTCTGATCTCGGTGAACCTTCTGCCAGGTGAAGTTCCGAATGAGGC
ATTATATCAAAGTGCTCTTTCCAACCTTTGGAGGCCCGCTCACCCTACCGCTATTGGTGG
CGGGCTCTAGTGGAAGTTCCATCAACCACTGGGAATATGAAGCTTTGNGTCTTCAAATC
CANAGTCCCGGTGAAAAGGATCGAGACATTNCACACCANCANACTGGAACNGGCAAAAAG
CNTTTGGCTTTTTCTTTTTTTNGGGGCATTTTTTTCGGNNNCCCNAACCCNGGGAAAAAC
CCNCCAANTGGCCCCCTTTT

Sequence 2557

CCGGGCAGGTACGCGGGGAAGATGTAGCTGTGTAGTCTCCTTCCATAGCTGCTCTAAGGG
GGCTGGCAACATGGCTCAGCAGGCTTGCCCCAGAGCCATGGCAAAGAATGGACTTGTAAT
TTGCATCCTGGTGATCACCTTACTCCTGGACCAGACCACCAGCCACACATCCAGATTAA
AGCCAGGAAGCACAGCAAACGTCGAGTGAGAGACAAGGATGGAGATCTGAAGACTCAAAT
TGAAAAGCTCTGGACAGAAGTCAATGCCITGAAGGAAATTCAAGCCCTGCAGACAGTCTG
TCTCCGAGGCACTAAAGTTCACAAGAAATGCTACCTTGCTTCANAAGGTTTGAAGCATTT
CCATGAGGCCAATTGAAAACCTGCATTTCCAAAGGAGGAATCCTGGTTNTCCCCAGGAAAC
TCCGACAAAATNAACCCCNCTCAANNATNTNGTAAAGGANCCCCCCCCCAGGTAAAAANA
ANTTTGGGGGGNGGGCCANAAANGGNTNNGGCCCCANAAANNNGNAAATTTTTTTNNANA
AAAAGGAAATNTTTTTTTTTNTTTTTTCCAAAAAGNGGNGCCCCCCCCCCCCACCCTAAT
AANNGGNNAAAAAANAAAAAATTTTTTTTTTTTTTTTTTTTNCNNAAAAAATTTTTNNNN
NNANNNNTNNNTTTNTATAANCNCNNTCCAAANAAAAAANANCCNCCCNCCCTNTT
AAAAAANTAGNNNCCCCCGGCNNNGGNGNNNTTTTTTTTAANTTTTTTTACCCCCC
CCCNCC

Sequence 2558

CAGGTACGCGGGAAGCGTGGTTTCTGCCGNGAAGGCCTACAGTCTCATAAGGCTTCCAC
AGTTCAAAGAAGTCCCTTATGTATTGTGGATTAGGAGAAATACATACATGACANAAAATG
CTAACTCCAATAACATTTTCTCATTTCTTCATCCAAAAACAATCCTCTATGATGTTGAA
GGAGTTGTAATAGAAACAAAAGTATATTTAAGAATAACTAGACCAATTCCAGGTAATATA
TGTATCTATTTCACTCTGAAAGTCACATGACTCCGCACTCAAGTGTGGACCATGCACAGT
AATTCNTTTTAAAAGCTNCAGCATATGTTAAAGAAAAAATCTTGACACTTGTTAAAG
AACAGGAAAGCAGACTTTATATAGGACCATTCAGTAGGTNTAGAAACCACAGCAATGGG
GTTTTGCAATGAAGGTTGAGCTCAACTCCTAATAACAAGAAGAAAAAAGTGGGGATTATA
GCTAAGGATCTATCCCTTGA

Sequence 2559

AGGTACAATAAACTGCTGTCACTGCTGCTGGAGGAAGGAAGAGTAACTCTGACATCACTG
GCCTTCAACAGGCGTGCGCTGAGCTTCTGGGCTCAGAAGCCCTGACTTCTAGAGGCTG
GGTGCCAGCGGGGCAGGGAGGTGATCTCATCATGGATGGCCACAGATCATCCACCTGGAA
ATGTTCTCGCAAATGAAACTGGAATGCATGATGCTCTGGATTACGCGGGTCACAGCTGAC
TGCCATCAGGAGGTGTGACGGAGAAGGTTCCATTTCTGTGACCCTGTGGTGATACAGGTC
GGGACCCAGGCGAAGTAGCTCAAGCCATNTGAATTGGCACCTTTCTGCTTTTCTCGCTGA
ATGACGGGTGCCTTG

Sequence 2560

ACCAAATGTGCTTTTCTCTGAGGACAGGGGAAGAGTTCATCTTACGCCATACCTTTGCAT
ATTTTACAAAATTCATTTCTACCAAGGATGCCCTCCACAAAATGAGGAGTAGCACAAAG
AACACCTAAGAAACCAGGCCTGACCCAGGGCCTCTGATGCTGGGGCAGGTTCCCCGCGTG

Table 2

CTAATATCCCAGGGGACCCTGTTGCAGTTCTCTGAATACCGGCTGTGAGCTTTCCAACCTT
CAGTTGAGTCCCAGCATCCTCCTCACACCACTTATCCTCCCTGCCTGTCCCTGGCGCGTT
TAGACAACTGGAATCTTTGCTGACATTTTAAATGGGCTGGCTACTTCTCCAGCGTGGAGG
CACCTAGCACAAAGGTGTGATAGATCAGTATTTGTTGATGAAGTAACAAAAGTTATTTCTG
GCAAATTGGACTTTTCCCCTTGAAAACGTTTTGGCTTTTACATTTTTTAATGATGGGGTC
AAAGAAAACAGCCCCCAAAGAAGAAAGGGGCGGGGAAATAGGGGGGGTAGGGACCCCTTGC
CTGCCCCGCGTACCTTGCCCNCGCCGGGCGGNTTNTAGAACTAAGTGGGATCCCCCGG
GGCTNNCANGGAATTCGANATCAAAGCTTTATTGGATACCGTNCGACCCCTNCNAGGGGG
GGGGCCCCNGTTNCCCAAACCTTTTGG

Sequence 2561

ACCCTGGACTCATACCTGAAAGCAGTGTTC AACCTTAGCAAAATCTCCAACCAGCGCATG
AACAAATTTCTACATCACAACGACCTGGTTTTCAAATTCAGCTCTCAAGGCCAAATCTTT
TCTAAATTTAACCAAGAAGTTCATCAGTTTACAGAGAAAGTAATCCAGGACCGGAAGGAG
TCTCTTAAGGATAAGCTAAAACAAGATACTACTCANAAAAGGCGCTGGGATTTTCTGGAC
ATACTTTTGAGTGCCAAAAGCGAAAACACCAAAGATTTCTCTGAAGCAGATCTCCAGGCT
GAAGTGAACCGTTTATGTTTGCAGGACATTGACACCACATCCAGGGCTATCTCCTG

Sequence 2562

ACTGCTGCAGAGAAAAAGCATCCATGTCAAAAAGTAAAAATTCTCATTCTACCTTGCTTC
CGTCCCAGACCTTGCTTACCTTCCTGAACCTTTTATATTCTGGATTATCTTGCTTC
CAGGACCTTGATTCTGGAGTTCTCGCCGAACCTTTTAAATCTCTGCTCCAGCTCTAT
GAACCTTTGGCTTGCACTCCCAACACGGGCATGCAGGATGCGGTATTCAGCATAATCTG

Sequence 2563

AGGTACCTTTTTTTTTTTTTTTTTTAACTCCCTTCTGTTATCTGAACCTTCAA
ACATCAGCTTTGATGTCTATTGTTGGGACTTCAAGAGGACTCTAGCACATCGGCAGGTG
TTGGTTTTAGTGAGCAGGCGAGAGTCCACATTCTTCCAAGGAGAGAGATGGGTCCCACC
ACATTCTACCCCTAGAGCANAAGTTCCGCGCTGTGCCTCTTCTCTGGCTGCTTGCTGA
GGACGTCTCCAGTGGGGTACCTGCCCC

Sequence 2564

ACAGGCACATGAGCCATTTGTCCTGAAAAATCCATCTGGGGATCCCTGTGGGCTTAGAAG
ACTCTGTCTGCCCAATGAAAGTCATGGTTTTGCCCATAAATCAGTGAGTTTCAAATCT
TGTGTCTTGAAATTTTCAACCATCTTCATAAATAGAACTAGGATAAAGAACCCTCATA
GTTCAATACAGGGAAGCAGATGATGTGAGCAAGTTCAGTTTCAAGTTAACAGCCAAGAGGT
CTAAGTGACAACTCTTTCTCCCTCAAACCTTAGTTTCTACTGAGCTCATATCCATGCT
TTGATTTTCAAGATTTATCTGGTGCTAGAAGAAAACCTAAAAGCAGTGTGTCAGTAACAT
TGTTTAGAGCAGGTGAATTAAGCTCGATTCTGCCTGACAGGTCTTCTTTTCTGGGTGACA
CAAGTGAGTCACTCAGGGACCAGACAGAAGGTGATAAAAACAATCANTCCCTGGAATGAG
ATTTTCTTCTGGCAAGGTAGACCTTAAGAATTTGAGATCTCTTAAAGGGATGCA

Sequence 2565

CTATAGGCGAATGGNCTCCCCGCGGTGGCGGCCGCCGGGCAGGTGAGTGAGGNAGGG
ANAGACCCTCTGTGGTGACGCCCCNCCTCGAGGAGCTTCTGAGCAGGTGGCAGAAGAT
GCGGTAAGATGGGCTTGTGATGAGCTGTAGGAGTGGAGTGGGAGCTGCTTGCTCCCTCC
CCACCCCCACAGCCANCCCAAGNCCCAGAGAGAAGAAGGGAGGATTTCTGTGAGAGTGA
CTGTAGGTAGAAGGGGCCAGGAGCCCTNCTCCTTTATT

Sequence 2566

TATNGGCGATTGGNNCTCCNCGCGGTGGCGGCCGNGGGNNGCTGNGAGNNCCGGGNGCGT
TAGCGAAGAGAGAAAAANCAGCGAACCCTACAGCGTCGCAGCGCGGCGCGGCGTCTGC
TTTATAGGAGAGGGCGCAGGCCCCCGCGT

Sequence 2567

GTAAACGACCTCACTATAGGGCCGAATTGGACCTCCCCGCGGTGGCGGCCGCCGGGCAG

Table 2

GTCAAGGGCACACAGGTGTCTGGTGTGGGCATTGACCTATGCCCGGGCCAGCAAACAGGT
CTGCAATGACATCGATGAATGCAACCGATGGCAACAATGGTGNCCTGTGACCCAACTCC
ATCTGCACCCAACACTGTGGGCTCTTTCAAGTGTGGTCCCTGCCGCTGGGTTTCTGGG
CTGGGAATGGGAACGTGTGTGGGNCCTGACACAGACATCGATGGCTACCCAGACCAAGCAC
TGCCCTGCATGGACAACAACAACACTGCANACAGGACCAACTGCCTTTTGNACCCAAAC
TCTGGGCAGGAAGA

Sequence 2568

GAGCTNACCCAGTGGGCCACGGGCTCCGGACTCCAGAACTTTCCAAGTGGGGGAACTTG
GCNCGGGGATGAAAAGTGAGCCAGCTCCAGCCGGTGGAGGATGGTTTGAAAAAGGCACCA
TTTCTGCTTCCTCTACTNAAGAACCAGGCTTTAGATTATTTCTGCAAGCAAATTA
GAGCCAGTAATCGCCAATGTGTCTGCCCTATGGTAACCCCGGTCTGTCTGAANGCTGCA
TGTTTTCTGCTAAATGTGAATTTNTGTTCCATCATTCAACAGACATGTGTTGGGGATN
TTATTGTACCTCNGCCCGNTTANAAGTAGTTGGATCCCCCGGCTCCCAGGAATTGA
TTATTNAANCTTAATNNATACCCGTCCACCCCTCGANGGGGGGG

Sequence 2569

AGCGAGTGGCGAGTAGTGGGAAACGTTGCTTCTGAGGGGAAGCCCAAGAATGACCAGTTT
CTTAACGAAGTTCAAGCTGAACCAAGCCACCCGAGGAATGGCATCTCTTCCGTGAAAGT
TCAAGCCCCAACACCTCCAGTTTCTGGCTGTCTCCTTCCCTGGGACAACGTTCCGTGC
GTTCTTTTACGATGTTGCCCGGCCAATTCCATTGCCGGCTTCAAGTTACCTTCGGCCGC
TTCTAGAACTAAGTGGNATCCCCCGGGGCTGCAGGGAATTNNATATCAAAGCTTATCGA
TACCCGTACACCTCGAGGGGGGGGGCCCGGTACCCAACTTTTTGTTCCCTTAAAGTGGAG
GGGTTTAATTGCCGCCGCTTTGGGCCGTAAATTCAATGGTCATTAAGCCTGTTTTCCCTG
TGTTGAAAAATTGGTTAATCCCGCTCACAAATTTTACACCAAACATTACTAANCCCGG
GGAGCCANTAAAAGTGGTAAAAAGCCCTG

Sequence 2570

CCGGGCAGGTACGCGGGGACAGATAAAGACTCAAGTCTGGGGACCTCCTGGTCACTCAGG
CAGCAGCCCCCTCTTTCTTGCCCCAGTCTCCAGTTCTCCAGTGTTACAGGTGAGCCTAC
CAACAGCCACTGCTCATGATGGAGGCCATCAAGAAAAAGATGCAGATGCTGAAGTTAGAC
AAGGAGAACTGCTCTGGATCGGGCAGAGCAAGCTGAAGCTGAGCAGAAGCAGGCAGAAGAA
AGAAGTAAACAGCTGGAGGATGAGCTGGCAGCCATGCAGAANAACTGAAAGGGACAGAA
GGATGAGCCTGGACCAGTATTTTGAAGCTTTTGAAGGATGCTCAAGAAAACTTGAAC
TGGCAGAAAAAAAGGCTGCTTGATTCTGAAGCTTGANGGGGGCCCTNCTTTGAACCCGT
AAGGATNCCAACCTGTTTGAAAAAACTTGGACCNGTGCTTCAAGGAANCNCCTTGGC
CACTTTGNCCTTGCAAAAACTTGGNAANAACTTTAAAAAACTTCTTNATTNAAAAAN
NTGAANAAAAANGTTTTTAAAGGGTTTTTGGNAAAAANCCGGGGCCCTTTAAAAAGGAT
TGGAAAAAAAAGNTTGGGGAACCTCCNCGGAAAAATTNCAACTTNCAAAAANAACCT
TTAANCCCCANTTNGCCANAAAAAAGGCCCGAATTTNGAAAGTTTTTTAA

Sequence 2571

CCGGGCAGGTACGCGGGGGAAGAAGGAAGAACGTTGCTTGGGCAAAAGGAGCATATTCT
CAGGAGACGGGGCCCCTGCCTGCCACACCAAGCATTAGGCCACCAGGAAGACCCCATCT
GCAAGCAAGCCTANCCCTCCANGGANAAAGAGGCCCTTGCAGNTCCTTCATCATGAAC
TGGCCCATGATCATCTCTGGGCTTAATTGTGGGTAGTGCTTAAAGTTTGTTTGAATNG
ACCCTTTATTTCTACTTTTTATTTCTGGCCCCAAAAAGACCTGGGGGAATTTTTATTCA
AGGCCAAAGNANGGGTTTTTTTTTCNTTATCCACCTTTTCTTGGAATTCATTNTTTT
GNGGGNAAATGAAAAAAGGCCAAGGGGGGAACCTTTTTTTGGCAAAAANGGGAAAAAA
GGGGGAATTNCCCCCAATTTTGGGCCCAATTTTGNTTCAAACCCANCCGCCCAAAAA
NAAAAACCTTGAANGGTTTTTCTTTTAAANGGAACCATTAACCTGGGATTGCCT
TTGGANNAAAAANTTAATNTTTAAATTGGGCCNTTAAATTTAANCCAATTCGGTGG
GAAAAAANAAGG

Table 2

Sequence 2572

CGCGGTGGCGGCCCCGGCGGGAGGCTTGACGAAGAGCCGGGAGGCGTTAGCCGAAGGAAGA
GAAAAACCGAAGACGAAGTCACTACAAGCCCCGCGTACCTCGGGCCCCGCTCTANGAACTA
GTGGATCCCCCGGGCTTGCAGGAATTC

Sequence 2573

CGCGGTGGCGGCCCCGGGCAGGTACCGTGGTTTCAGCCTTGTGTGGTCATCACTGGCT
TCTGGAGCTATTGGTGATGTCCAAGGGAAGCTTTGAGAGTTTATGTTTACTCTTTGAGT
CCCAGGAGAAGCCTGGCACCTCTTTGCAAATTTGGCCTTTGCTCTTTCAATGCCTTTCAT
CCATCTCCACTCTCTCAACTGCCTAAAGTCACAGCACAGATACTGCCAGTGCCCTTAAGA
GGAGACATGATCTCTACCAGGGACTCTCAGCAAACACGGGACTGTGTTCAAGTCCACAAA
GGAAAAGCGTTTTGAAGCTCTCATTGTTTCATGTAAAAATCATACAGTGCCATGTTGCT
CCACATTCTTACACACAGGGGTAAGAGGGGATTGCTTTTGTGACCCACGTTCAAATATC
TGACTGTTTTCTTTCTCTTTACTGCTNAAGCAGCCCTGGAAGGATAAATGGAATAT
TANACTTAANATTTGGTTTTCCANGAGGCTCAATTCTGAACACACCAGAATGTCAGAAGC
TTGGAAANGGGACCTATAAAGAACATCTTAATCTGGATCCTCTTGTAAACCTCGGGCCCC
TTNTANAAAATAAGTNGGATCCCCCGGGGCTGCAAGGAAATTCGATNNTTCAANG
CTTANTCGATAACCCGTCNNACCCTTTANAGGGGGGGG

Sequence 2574

GAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGATATGATACTCTCT
TCCAGGACTGAATCCGCTAGTCTGGCCAAAAAAGCACTCAGCCACATCCTACTCCCC
AATAAATGTCTCTGGGGTCTTCATTTTCTCTCCGGCTGATCCTCAGTTCATCCAGTTCC
TTCTCCATTAAGTGGGATTGAGCAGTGGACTCTGAAAGCTGAAAGTGAAGCAGCGGCTGT
TAGCAAGCAGCACATTTCTAGGAAATGTTTCGGGTTAGCAAGGCCGGCCCTACACACGGA
GGAAAGGCCCCCTGCCACTTCTCTGATGCTGCTGGCTTCTCTCGATGGGAAACCTCTGTA
ACTGGGTAGAATGCAACCCCTGATGACCCAGGACCACAAGTACCT

Sequence 2575

AGGTACTATCTTTAAGATGTAAGTCTGGCATTGTGGAAGATGGTTCCAGTTTCTATGAC
CTACCTTGGGGAAGAGGAATCAAGTTTCTGTGGCTTGCCCTCAGGGAGAATGAGGCTGA
GACAGGAGGGCAGGATAACATCAGAGAAAACTTTGCTTCTGAGGCCTTCACTTTGGGTT
TTCTGAGCCCCAACATCTGCTAGTGTGTAAGAGAAACAATTAGGGACCAAGTGAGGGGA
GGAAAGCATCCATCTCTGCATTCTGATGCTGGGAGACTATTTCCCTTGAATGCAATTGAT
TTTGCTCTGCTAAGAGGCTCTGCTGGCTACCCATGTACCTGCCCGGGGCGGCCGCCCGG
GCAGGTACGCGGGGGAAGCTTGCTTCTGCCTGGCATCTGTGAGCAGCTGCCATGCTCCGG
CCAGGATCCCTTCCCTCTCCTCATTGGCTGATGGATCCCAAGGGGCTCCTCTCCTTGACC
TTANGTGCTGTTTTCTCTCCCTGGCTTTTGGGG

Sequence 2576

GGGGTAGGATGGGAAGCCGTGGGGCAAGGGAGGTTGCAGGAAGCCCATCCTTCCCCTCCT
GCGGCAGGTACCT

Sequence 2577

CGCCCCGGGCAGGTACTCATCACGTTGAAGGGTCATCATATGTGTNCCCATTITTTTCTCT
GCAGGAAAGTGAGCTTCTGGAAGGCTGTATCTGAGTCTGTTCTCTCAATATTCAATGAA
TGCTGTCTGAATGGATCAATCAATGGAGCTATGGCCTCTTCTGATTATGACAGCTGATC
ACTAATATGATGTGACCTCCCCATTTTCATGTACCTCGGCCGCTCTAAGAACTAGTGGATC
CCCCGGGCCTGCAGGGAATTCCGATATCAAGCTTATCCGATACCCGTCGACCTTCNGAGG
GGGGGGGCCCCGTTACCCAGCNTTTTGGTTCCCTTTTAGNNGAAGNGGTTAAATTGCGC
CGCNTTGGCAGTAAANTCAATGGGGTGCATNANNCCNGGNTTTCCCTNGTGNNGGAAAA
TTTGNNTTAATCNCNGNNTCCAANANATTTCCACCACCAAAACATTACCGNAAGNCCCC
GGGAANGCCCATTAATAAAGGTGGGTTANAAGNCCCTTGGGGGGGGGG

Sequence 2578

Table 2

TTGGAGATGCCCATCTTGAATTTCTGAGAGGGCAAGATATACTTATTTCCATTTTATGCA
GTCTGCATCTACCTAAAACCTCTGACTGATGTGGGAATGGCGAAACACTATCAGGCTTGA
ATGTGTGTGAAAAACACCAAATTGGCCAGATCCCTAACAGAGCAATCCTCGAGGGGATG
GTGGCTATTGCTGGAGAGGCATTAGCTATTCACAGGGTACCT

Sequence 2579

AGGTACAAATCAACAGATATGTTTTAGAGAAGTGTTAAATTTTTTAAACGCAAGTGTAAT
TTAAATAGAATGAAATACAACAATCCGAAGTGCATAGACGATGAGGTAAGATTTTTTCA
TCAACTTTATTGAAGTGTAATTTACATATAATAAAATGCAACCATATGTCTACATTCATG
CAAATACCACCTTGTAAGAAATGCCTTTCCTGACTACCTTATCTAAATTAGTCCTGCCCA
GAGTTCAGAGACCAGCCTGACCAACATGGAGAAACCCCGTCTCTACCAAATAATACAAAA
ATTAGTCGGGCATGGTGGAGCATGCCTGCAATCCAGTTACTCAGGAGGCTGAGTCAAGA
GAATCGCTTGAACCCGGGAGGCGGAGGCTGCAGTGAGCCAAGATCGTGCCATTGCACTCC
AGCCTGGGCAACAAGAGCAAACTCCATCTCAAAAAAAAAAAAAAGAAAAANGAAAAAG
TAAAGTNCCCTGCCCGGGGCGGCGCTTCTAAGAACCTAGTGGGATCCCCCGGGGCTGC
AGGGAATTTGANTATTCAAGGCTTTATCGANTACCCGNTCGACCTCCGAGGGGGGGGG

Sequence 2580

CCGGGCAGGTACACAGGGGCATAATCAACCCATTTCTGCTTCAAAAGGAATCAGAGCTT
TTCCACTTCAGTGATTACATAGCTGAAGGGCATACAAAAGCTGTGCTCTGTGTGGATT
CTACTGATGATCTCCTCTTCACTGGATCAAAAGATCGTACGCGGGGCAGCATTCACTCTC
CCTGTCTTTTCCCTTCCCTCAGCAGAAACGTGTTTATCAGCAAGTCGTGAGTCAAAGT
CTGCCTTTTAAAAAACCCACAAAATGCTGATTCAAGTTCAAAATTAATGCAATGTTNAA
AACTGGGTTTCTGATATTTGTAATGTGTTTTCTTTATTAGATAAGAGTGTATTACCATT
AAAGGNCATTAGTATAAATATTGCTTTCAAAAGAAAAATGGGTAGACAAAACTATAATC
CAGCATTCTTTTATTGCATTG

Sequence 2581

CGCCCCGGGCAGGTACGTTGATGTAAGCAAGGAATTCTGTATATTGAAGAAATTAAGTGTC
TTGCCAGGGTCACATGGCTGGAAGTGACAGAGCCAGGATCAAACGTGGTCTCCTGA
TTCTGAGACCAGTGTTCTCTTGAAGTGCCTTGACCT

Sequence 2582

AGGTACACCTCACAAATGATAGTGGCTGAGAGCCAAATGATGAGCTTCTCTGTGTTATGT
CTACCTAGCTGTGATTATATCAGGCACAGGATTGTGCGCGTGTGCTCTAATCCCACTGTG
TCATGCAGGATTTTACCTCGGCCTATGCCTGCCTGGCAGCAACACAGCCATGTTCTTA
CACTCCGCCCCCTAGGCCAAGGGGGTCTCTTAATGGGAACCTCGTGACATAGGGGAGCA
CCCTGGACCCAGAGGCCACAGCAACAATAAGAGAGCAACAACCTACTACTAATATTCT
GCTATGCTACCTATGATTATAAGAGCCAGTGTAGGCCAGAGCCAGAGACACCCACCAT
CTCTGCAGGCGGTATCAGTAAGGTATTCAATTGCCTTAATCTCCCATGACATGACACCC
CCTGCAAAAGCTGCCACTATGTTCTGGTGGTGTGTCANGGATGAATGTACCTGCCCCNGGC
GGCCGTTCTAAACTAGTGGGATNCCCCGGGCTGGCAGGAATTCGATATCAAGCTTTA
TTCGATACCCGNCACCCCTCNANGGGGGGGGCCCGGTACCCAACTTTTTG

Sequence 2583

AGGTACCGAGTGGCATTACTGGTGAAATAACGATTTCCCACTTTCTCTACATCATCACT
CCCCATCCCAATCCATTGTCTATCACTTGAAGTTGGAAGGTTTCCATATTCACCCGTGAC
AGCCACACATTTTGTTCAGCATCAATACTGTTGAGGGCAAGTTCCTCAACACATTGGCC
CAAGGAGCTTATGGCCAAACCAGAACGCAATTTGGCTTGTACCTGCCCG

Sequence 2584

CCGGGCAGGTACCCAGATTGGAATCTTCCGGAAAAATGGAGGAAAGGCAACAGAATCATG
TCTTTCAGAGCAGCATGATCAGCATGTTTATAAAGCTGTTTTTACCACCTCATACCCAAG
CTTACAGCAGGAAAGGTTCTTTAACTTGTGTTGGTTAATGAGGTGTCCCAACAAGTGA
AAGCTTAAGAGTGAGCCACCTGCCAAGGCGGAAAGAACAGGCTGGGGAACGGGGTGATAA

Table 2

GCCCAAAGACATTGGTGGCTCAAAGGCCCTGTCCCATGCTTTGGACCAGTCTTCACAGA
NGTTGAAAAGGCCAANNATAAGAGAACTNTCCACACCCCTTCTGTGTTGGAGATAAATT
TTTNCGTACCCCTCGGCCGGTCTTAAACTAGTGGGATCCCCCGGCCCTGCAAGGAATTNGA
TTTCAAANCTTATTGATTACCGNCGAACCTTNGAAGGGGGGGCCCCGGNTNCCCCCAGC
TTTTTG

Sequence 2585

CGCCACNCCACCGNGGTGGCGGCCGCAAGGCCCGGNANGCTGCGGAACCCACGANACGG
GCNGCNGCAGCTCGGCTGGCACTAANCANGGCGGATAAATGGAGGAGNNCCT
TGGCAANTTAAATTGGAAATCCGGGGGCCCC

Sequence 2586

AGGTACCGTGGTTTCAGCCTTGTGTGGTCATCACTGGTTTCTGGAGCTATTGGTGATGTC
CAAGGGAAAAGCTTTGAGAGTTTATGTTTACTCTTTGAGTCCCAGGAGAAGCCTGGCACCC
TCTTTGCAAATTGGCCTTTGCTCTTTCAATGCCTTTCATCCATCTCCACTCTCTCACTG
CCTAAAGTCACAGCACAGATACTGCCCAGTGCCTTAAGAGGAGGACATGATCTCTACCAG
GGACTCTCAGCAAACACGGGACTGTGTTTCAAGTCCACCAAAGGGAAAAAGCCGTTTTTT
TGAAGCCTCTCATTTGTTTCATGTAAAAAATCATACACCGTGGCATTGTTGCTCCACAT
TTCTTTACACACCAGGGGGTTAGGAAGGGGGAATTGCTTTTTTTGTACCCAACGGTTTT
AAAATATTGTGGACTTGGNTTTCCTTTTTTCTCTTTTTTACCTGCNTAAAGCCAAGCCC
CTNNGGAAAAAGGGAATAAAAAATGGAATNTTTAGNACCTAAAAGAATTTTTNGTTTTT
TCCCAANGGAAGGGGCTTCAAATTCCTTGAACCACCAACCAAGAAATGGTCCANGAAGC
CTTNGNGAAAGGGGACCTTATNNGGAAGAANTCANTNTTGGGTCTTGGACCCCTTTTTTG
TTANCCCTTNGNCCCCGGGGGCGGGGNCCGGNTNTTANNAACTTAGGTGGGGAATTCC
CCCCCGGGGCTNNGNANGGGAATTCGAATTANTTAAANCCTTNTCCGAAATANCCC
GGCCCAACCCTNTNAAGGGGGG

Sequence 2587

GGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTAACTCATACGTTTTTATTTGAGA
TCTGCCTTGCTTATTTCAAAAGAGTTGCAACCCGAATGCTGAAGATTTTCTTCATGGC
GAGTCTCANAAATACAACCTCAGCTCATTTGCCAAATCTTGCCAGCCTGATAAACATTTTT
CTTTTGGGGGCTGGCATCTCGTTTCCTCCTTCTTCTTGGTCACATATAATGTTGGTCA
TGCCTGAGCTTATAGCAGCAGCAGCCAGAGGAAGATGAGGTAATTAGGCAGATCACAGCG
GAACAGGNTGCATTCTCATTCTTTCAGCCTTCTCTCTNTNTCCCCAACCTGCACAGTT
NTCCCCGCGTACCTGCCCC

Sequence 2588

AGGTACGCGGTCAGCGATCAGCCAGCAAATATTTTCTTTGAGCTTGTGAAAGCTCTGT
GTTCTTTTGCCTTCAATCTGCTGTCTTCAAACAACAAACAAAAAAGCTTCTTGCGCC
TTTCCCTCCCCTGTTTTCTTCTTTTTCTTTTGTGATGCACAAGGTAGGACTTACT
TCGTAAGAAAAAAAATGCCAGTATTTTCTTAAGCCATGATGTGAAACCAATGACCCTGTG
ACCACATGGCACAGAACACTAAATTTTGGTCCCATGGCTGAAACTTGAGGGTGACTAAA
AGTAATGCCTGTGAAACATGATATCTATCTGGGATGGCCATTTGATCTCTAAAANGAATT
TTGTCTTGCCCC

Sequence 2589

TTGGAGCTCCACCGCGGTGGCNGGCCGCCCGGGCAGGTACGCGGGGAGAGAGAGTGTCTT
CNTNCTNTNNGACATCTAAGANAAAAAANNACTGACCAAGACTCAGCCGTGGGAAATA
TGAGTGAGCTTGAAGAGCAAGATCCCAATCCTCAGAAAGAGGAAATGACCNAGAGTCTT
CCGAGCCGGTTGGGATCTGTGATTGTCCAGGGAGCCCACTGAGGGAAAAAACGTTCAAGA
AAGAAGGGAACNCACCAACCTGGATAAATCAGGGGGTATTTGCACCTTAGNTNGGNGGG
AAGAATTGGAAAAAATCAAAGCCATTTGCCCTTNTTTTTTTCAAAGGGGGCCCTTGA
NCAATNGGGAAAAANCCTTTTTTTCAAACCAAGGGGAAACCTNNGGCTTNTTGNCTT

Sequence 2590

Table 2

CCGGGCAGGTACTTGGAGTTACGAAAGATGCTGGTGATGAAGATTTGAAAAAGCTTATA
GAAAGCTTGCTTTGAAGTTTCATCCAGACAAAAACCATGCACCTGGAGCAACAGATGCTT
TTAAAAAGATTGGAATGCTTATGCTGTTTTAAGTAATCCAGAAAAGCGAAAACAGTATG
ACCTCACGGGCAATGAAGAACAAGCATGTAACCACCAAAAACAATGGCAGATTTAATTTCC
ATAGAGGTTGTGAAGCTGATATAACTCCAGAAGACCTGTTTAATATATTTTTGGGGGTG
GATTCCTTCAGGTAGTGACCT

Sequence 2591

CCGGGCAGGTACTTTATGTGTGACAAGGCAATAGCAGCTNCTCCCTCAAGATTAAAAACA
ATTAANAAAATACATAGCATCTGAAGAATGATTTTGGGTAAACGAGTAGCTATTATTTA
TTAAAGTGTTCCGGCGTTCCTGTGTTCCCTTGACTTTGAACACTCTTCCTAGTGATTAT
NGCGTCAGGGTGCAGCATCGGAAGTTTCCAGAAATGGCGTCGTGATAACACAGACTTT
TCAAGGACCCCAAGGGTAAAGGATTGCCATTTCATGGGGCCTTTTTTGCTTTCTTTCTTTT
TCTCGCNTCCCTTTTCCCCCGCNTTCTCTCTCCTGCTTCTCCATCTTCTGTGCTCTTTT
TTTTAAATAAAAAAGNCTTTTATTGCCATTANTAATTTTAACCATTACCCATTAACCAGN
TTNGCCCTTTTAAAAAGNNGTTAACCCCTTCGGGCCCGGCTTCTTAAGAAAACCTTA
NGGTGGGGAATTCCCCCCCCCG

Sequence 2592

AGGTACACCTCACAAATGATATGTGGCTGAGAGCCAAATGATGAGCTTCTCTGTGTTATG
TCTACCTAGCTGTGATTATATCAGGCACAGGATTGCGCGCGTGTGCTCTAATCCCACTGT
GTCATGCAGGATTTTACCTCGGCCTATGCCTGCCTGGCAGCAACACAGCCATGTTCCCT
ACACTCCGCCCCCTAGGCCAAGGGGGTCTCTTAATGGGAACCTGTCACATAGGGGAGC
ACCCTGGACCCATAGGCCACAGCAACAATAAGAGAGCAACAACCTACTACTAATATTCC
TGCTATGCTACCTATGATTATAAAGAGCCAGTGTAGGCCANGAGCCAGAGACANCCAC
CATTNTGCAGGCGGTTCATCAGTAAAGGTATTCAATTGCCTTTAATCTCCCATGACATGA
CACCCCTG

Sequence 2593

AGGTACGTGGGGGAGTCAGTCTCANTTAGGACACAGCATGGANATGAGGGTCCNNNNNTNA
ANTCCTGGGGCTCCTGCTA

Sequence 2594

AGGTACGGCTTCGGAGGCTAGGCCGCCGCTCCAGCTTTGCGCGTTTCGATCCCAAAGGCC
CTTTTAGGGCCGACCACTTGCTCATCTGAGGAGTTGGACACTTGACTGCGTAAAGTGCA
ACAGTAACGATGTTGGAAGACTTATGATTTTACTGTGTATGATTTGGGAGAAGAAATTC
TGTCAGTCCCAAAGGATAAACCAGCAGTTGCTTATTGGTCTTCAGATGTGGCTGCAAA
CACTTGAGACTGAACTAAGCTTAAACACGGTACCTGCCCG

Sequence 2595

GGCCGCCCGGGCAGGTACGCGGGGGGTAGACAGAGGAAGGAGCCTGTCCTCAGACAGGCC
CAAAAGTGAGTGTGTGGGAGTTTGTGCTAATGTTTCAGTAGGTGGAAGCTCAGGGATTT
CCACTGTATTCTTAAGGTGAAGTCAGAGATTTGAGAGAGGATAACCACTTGAACCATACA
GCTGCCATTTTGGGTTGCAACAACGAGGCCAGTGTAAGGAGAATAAAGAACTGGTGC
ATTTGGAGTCANACAAAAAGTTCATTTCATGGCTCTTTCAGTCTGGAAGATTCTGAACTT
TGGAACATAGTAATTCCTAAATAAGAATAAGGCAAGTGGATTTTAATAAAGGGCAATAC
CAGTGATTTCAAAGAAAGAGAAATACTGCAAGGTGCTGCATCATGAAAAGCAGTCCCATG
AAGAAAAAGATTCTGTANAGCATCCTTATCAAAAACCAAGTCGTNATTGCCATTTCTTG
TAAACAAAAGGCCCTGACTAAAGCCCACTTAAACAGATGGGATTTCAACCAAGNCTCG
CTTAACCTCCTGTCATGAAGTCCNTGGGGGGGAAAAGGGNTAANTTTTTTTTNA
AATCCATTCCTGGTTTTTTTTTCCCTTTTATATTTTCAATTTCTCCATTTGGGGATTTT
TTNNCCCCCAGTCTTTNAAACCAAAACTTCAAAATTCCTNNGGTTTTGGTTTCCNCC
CAAAAAAAAAAAAAAAAAAAAAAAAAANNTCCCTTTGGGCNGNTTNAANNGNGG
NANNTNATGGGGGGTGGGGGGANTTTNTNTANAAATTTANTNTTCCCCCNCNCG

Table 2

GGGGGGGGGGCCGGT

Sequence 2596

AGGTACTTTGAGAAGGCAGGACTCAAATGATGCCCTGGAGATGTCACAGATTCTGGCAG
AGCCATGGTCCCAGGCTTCCCAAAGTGTGTTGGCAATTATCCCCTAGGCTGAGCCT
GCTCATGTACGCGGGGTGCTGAGCCACGAATTCGTCTGCAGAATCACGCGGACATCGTC
TCCTGTGTGGCGATGGTCTTCCTGCTGGGGCTCATGTTGAGATAACGGC AAAAGCTTCT
ATCATTTTTGTTACTCTTCAAGTACCTGCCCC

Sequence 2597

CCGGGCAGGTACTGTTTCCTCAGCAGAGGAGAAAACTCAACCTAGTTATGAGACCAACC
ACACAACACAATGAAGAGCTGCACTAACTAGTTGAGAATGTTAGTTAAGATGATGCTGGT
GTGAATCCGCGTACGCGGGAGTCGGACGGGCGCGGAGGCGCTTCTGGAAGGAACGCCGCG
ATGGCTGCGCAGGGAGAGCCCCAGGTCCAGTTCAAACCTTGATTGGTTGGTGATGGTGGT
ACCT

Sequence 2598

CGCCCCGGGCAGGTACCAATTTTTTATATGTAGAGCATTCTGTGAATGTTTGCAATTTTT
CCCTTTCTTTCCACTGCCCTGCTAATGTGCACATGTATTAGACACAAATACCCAGTAAA
TGGGAATTACCCATTTACATGCATACACACTGAGGTGTGCTTGAGTACTCATCACAGAAT
GGGAGAGAGGGCTCTCAATAGATCATTCCCTTTGTTTCTCCCCTGGGCTTCTTGAACCTC
TCGAAGTTCTTCAGGATGATGTCATATAACACAGCATAAGCATTGCGGATCTCCATGACC
ATCANCCGGATGTCCCGGT

Sequence 2599

CCGGGCAGGTACGAATGGTGCCTCTTTAGCTTTTCGAATGAGTTTTGATCCCTGATCTTC
CTCATATGAAGGAAGGGAAACACCTGTGTCTGTTGACATAGTGATTGCTTGAAGAATCTC
CCTAGAGCGAGAAAACCTCTCACACCCCCAACCCCCCGGTACGCGGGTCTGCTCATGGTG
CTTCTTAGCATCATCTTCATGAATGGAAATCGGTCCAGTGAGGCTGTCTGAGGAGGTG
CTGCGCAAGTTGGGGCTGCGCCCTGGGATACATCATTCACTCTTTGGGGACGTGAAGAAG
CTCATCACTGATGAGTTTGTGAAGCAGAAGTACCT

Sequence 2600

GGGGTAGGATGGGAAGCCGTGGGGCAAGGGAGGTTGCAGGAAGCCCATCCTTCCCCTCCT
GCGGCAGGTATGGTGACCCTCCTCCAGTTTTCCAGCTCTAATTTAAACGCTGCCACACA
GCGAGCGACGCTGCCAGCTGCTTCGCCTACACTCCCCGCGTACCTGCCCC

Sequence 2601

CCGCGGTGGCGGCCGCCGGGCAGGTNCTAAAGAACCAAAAACCTCCCAGAGGCAAGAGCA
GCTATCAGAGGAAGTAGCCACCACCGGTTCTCTTGACAAAAGATGCATTTTGGGGTTGT
CCAGTCACTTGTGCGGTGGAGGTTGATGGTGACTGGTTTCCAAGCTCTGATTTGAGAATG
CTGTCATTTTGCATCCTGGTCCTTATTCTTGAGTTTGTGGGGCCCATTCCTGGGGAGTT
TTTTGATATCCTGAGCTTAGCACTGAACGTTGCTTATCATGAGCTGTGAAGTTTGAAGTT
TGTGATGACTGCCAAAATGATTCTATATATTGACTAGATGATCTGGTGGTTTTATCTCCA
GATTCATCAGAATCCCTGGATCTGGCCTTAACAGTAAGTGACACTGCTGTGAGAGCTGTC
TTGATCATCTTCTTCAGTTTCTCCTTCTCAGAAGAAATTGGACCTTCTGTTGGACACTG
GTGGCTTTCATATCTT

Sequence 2602

TATAGGGCCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGGAGGT
GAGGTGAAGTGAGGGAGGCCGCCGGGCCAGGCGAGCCGAACCAATGCTGGACCTGGAGG
TAGTGCCCGAACGCTCTCTGAGGAACGAGCAATGGGAATTCACGCTGGGAATGCCTCTGG
CTCAGGCAGTAGCCATTCTTCAGAAGCACTGTCGCATNATCAAAAACGTCCAGGTTCTCT
ACAGTGAACAGTCTCCTCTAAGCCATGACCTATTCTTAACCTGACTCAGGACGGGATCA
AACTAATGTTTGATGCTTTCAATCAGAGACTTAAGGTGATCGAANTATTTGATTTTGAAGT
AAAAGTAAAGTTAAATATTGTGGCGTGCAATTTAATTCTCAGGCCATAGCTCCTACCAT

Table 2

TGAACAGATTGACCAAGTCTTT

Sequence 2603

CGCCCGGGCAGGTACACTTTGGCATCAGATACTGGCTGCCCTTTCATAAAATGTTTGCT
GATTCATAGATGTCCACTTCAACCATCTTCCCATGAACGCAGGGTTCTTTGGCACTAA
ACCTGCTCATAGAATTGATTGTGTGCAACATAAACTTGAATCAAAAGATTCTTCTGTT
ACTAACACTTGTTGTCTTTCACCAATCTTGTGATCATATGGACTGTAAGAATGAAACACC
CGAGAAAGATCTTTTGTCTTTTGTCTTTTCACTTGTGCCGGAACCTGTTCCATTTTGTCA
GCAGGAGTTCTGGTCTTGGGTAAAATTGGTTAATAAACAGGCTTGGGAATTTGTACCT

Sequence 2604

TGATACGCGGGTCACCACAAAAGTCTGCAGCTTCAGTCCTGAAGCCAGCGAGACCACGAG
CCACCAGGAAGAACAACAACTCCAGACACGCCACCTTAAGAGCTGTGACACTCACCAC
GAGGGTCCGCGGCTTCATTCTTGAAGTCAGTGAGACCGAGAACCCACCAATTCGGGACAC
ACTGGGATTACAGGTGTGAGCCACTGCGCCAGCCAAGCATGCCATTCTTTAGAAGATGT
TCTCTCCTGGCACATCTCAGTTTCTACAAAGGCCCCAGCCCTTCTGGAGACCCCTGGG
GCGAAGTTCTCTACCCCTTCTTACATGCCATAACAACTCACCTNCCTCTCTCTTAGAG
CCCCCGTCTGCCCTTCTTGAATTCTGGTCATGCTCATGTTTGCCATAGCTCCCCAAGG
AAGACAGCCTTTGAGTCANGTCTGACATTGTCTGTCTTTAAAGAAGGCACTTAACACAT
ATTTTGTCAACTGAATTAATAAAAAATTTCCACAGGGCCTTGGGAAGAAATTTTGT
CCCTNGGCCCGCTCTANAACCTAGTGGATCC

Sequence 2605

TNGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACACCTCACAATGATAGTGGCTG
AGAGCCAAATGATGAGCTTCTCTGTGTTATGTCTACCTAGCTGTGATTATATCAGGCACA
GGATTGCGCGCGTGTGCTCTAATCCCACTGTGTCATGCAGGATTTTACCTCGGCCTATG
CCTGCCTGGCAGCAACACAGCCATGTTCTTACACTCCGCCCCCTAGGCCAAGGGGGTCC
TCTTAATGGGAACCTCGTGACATAGGGGAGCACCTTGACCCATAGGCCACAGCAACAAT
AAGAGAGCAACAACCTACTACTAATTCCTGCTATGCTACCTATGATTATAAGAGCCC
AGTG

Sequence 2606

ACTTATTCTTCAGGGTTACTGAGTCGGCACCTATGACAGCTAAGAGAGCTTTCTTAAAGA
CTGCCTCAGTGTCTTCTTGGCTTTTGGCACCTTCACTCCACTCTGCCAGGAAATCCACA
ATGGCAGACAAACCTGGGGTTTCAGGTGCACAAAGGCTTCTTCAAAAGCATGGCTATGT
CAGGGCTCTTTGACTCGATCAGCACCTGCAGCTTCAGCTGCCACATTGTCCAGAGTCTC
TAAACAATTCAAGTCCAGCTACTGCCACTTCCAGAGCTTCCCTCAGGAAGTTATAACACA
GCAACGAAACACTCAACTGCTTGTATTGGCATTCTGACAGAAGCTTCAGTTCATGTGCCT
TCCTGAATACAGTCATGGTTCTTCCAACTCTTCCCTCTAAGGAACCCACTATTTGACT
TCTTAGTAAATCTTT

Sequence 2607

NTTTTTTTTTTTTTTTTTTGGTAATACCTTTATATAGTCATCTAACTTTCCAAAGCA
CTTTTACCTATTATTCTCAGAACAGTCCAGGAAGTAGGCAAAACAGACATTATCACCATT
TTATGAGGTATTGGATGCTAAATGACTTGCTCAGCGTCTCATAACTGGTAAGTAGCAGGA
TCAGGTCTGAAATCCATTTACCTGGCCTTAGATCCATCTTTGAGGGTCTCTTTATCTGA
TAGGCTTCTCGTCTTGGATAGGCAAGGAAGGATGAACTGGAGCAGAGGATGTGGGCCCT
GCAGGAGAGCAGGCGGGAGCTGATGGTCCAGCTGGAAGAGCTGAT

Sequence 2608

CGAGGTACTTTTTTTTTTTTTTTTTTAACTCATACGTTTTTATTTGAGATCTGC
CTTGCTTATTTACAAAGAGTTGCAACCCGAATGCTGAAGATTTTCTTTCATGGCGAGTC
TCAGAATACAACCTCAGCTCATTTGCCAAATCTTGCCAGCCTGATAAACATTTTCTTT
GGGGGCTGGCATCTCGTTTCTCTCTTCTTCTTGTTCACATATAATGTTGGTCATGCCT
GAGCTTATAGCAGCAGTAGCCAGAGGAAGATGAGGTAATTAGGCAGATCACAGCGGAACA

Table 2

GGTTGCATTCTCATTCTTCAGCCTTCTCTCCTNTNTCCCCAACCTGCACAGTTCTCCC
CGCGT

Sequence 2609

CCGGGCAGGTNCCATTGGTGGCCAATTGATTTGATGGTAAGGGAGGGATCGTTGACCTCG
TCTGTTATGTAAAGGATGCGTANGGATGGGAGGGCGATGAGGACTAGGATGATGGCCGGG
CAGGATAGTTCAGACGGTTTCTATTTCCTGAGCGTCTGANATGTTAGTATTAGTTAGTTC
TGTTGTGAGTGTTTAGGAAAAGGGCATAANGACTAGGAAGCANATAAGGAAAATGATTC
ATGAAGGGCGTGATCATGAAAGGTGGATAAAGCTCTTCTATGANTAGGGGGGAAAGTAA
GCCGTTCTTTGTNAAACCCCTACCTTGGCNGCTTGCNATTGTGCCANTCCNCCGCCGCTA
CCCCTTGGGCNCGCTTCTAGNAAACCTAAAATGGGGATTCCCCCCCCGGGGCCTGGCCA
GGGANATTTCCGAATNTTCAAAGGCCTTTAATTCGCGNANTACCCCGGTNGCGGAACCTT
TCNAAANGGGGGGGGGCCCCCGGGTAACCCCCCAAACCTTTTTTTGGTTTCCCC

Sequence 2610

TTGCTGGTCTCAAATTTCCACACGGAGATATCAATGGTGATACCNCGTTACCGCTCAGC
TTTCAGTTTATCCAAGACCCAGGCATACTGAAGGAGCCCTTTCCCATCTNAGCAGCCTC
CTTCTCAAATTTTCAATGGTTCTTTNTGTGCGATGCCACCCGCATTNATAGGATCACNAT
TGGCCACAGTAGTTGGTGGACATTGCCCCGAATCCTACGCTGTCTCAATGACNNACAAATG
TTTGATAATGNAGCACTTTNTCNCTNTTCCCATATTTTGGGCTTTTATAAGGGGGTTAGT
ATTTTCCACCGACACCCCTNGTNGGTTCTNTGGGCGGCCAAAACCCCGTTTTTGGCGGAA
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TTAAGTTGGGAATTTCCCCCGGGGGNCCGTGCNAGGGGAAAATTCNNATTATTTC
AAAGCCTTTATTCGGAATTACCCCGNTCCGAACCCCTTCNTAGAGGGGGGGGGGGCCCC
CNGGGTAACCCCCCAAACCTTTTTTGGTNTTNCCTTTTAAGGTGAAGGGGGTTTTA
AAATTTTGGCCNCCGCCNTTNGGNCGGTTAAATTCATTGGGNCCTATNANGGCTTGN
TTTTCCCTTGGGGNTNGGAAAAANTTTTGGTTTAAATTCNCCNCTTCTACCNAAATTT
CCCCA

Sequence 2611

AGGTACGCGGGGTGGATGAAATGACGCTGGAGCTCCACAGGCAGGGTCCCTNCATAGCTG
TGGAAGTGAAGAAGGCATTGAAGATGACTATTTTTTGGAGAGGCCTGATGCCCGAATTT
CAGTTTGGCACTTACAGCGAATCTGAGAGGAAAACCGAGGAGTACCTGCCCG

Sequence 2612

AGGGCGAATTGGAGCTCCACACGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGTGGTGCA
GGCTCCTGCAGATGCTCCAGAATGAAAGCCTTCTCAGACCTGCGCACTCCATCTCCCTCC
CTTTTCTCTCTGTGGTGGAGAACCACAGCTGCAGAGTAGGCAGCTGCCTCCAGGATG
AGTTACTTGAAATTTGCCTTGAGTGTGTACCTCCTTTCCAAGCTCCTCGTGATAATGCA
GACTTCTGGAGTACCTCGGCNCGCTCTAGAATAAGTGGGATCCCCCGGGCCTGCAGGG
AATTCGATAATCAAGCTTATCCGATACCCGTCGACCTCCGAGGGGGGGGGCCCCGGTTAC
CCCAGCTTTTTGGTTCCCTTAAGTNGAAGGGGTTNAATTGCGCCGCTTGGCGTAAATCA
ATGGTCATTAGGCNTGTTTCTGTGTGAAATTGGTTTATTCNCGGCTTCACAAATTTCN
CACAACAACCANTACCGAAGCCCGGGGAGGCAATAAAAAGGTGGTAAAAAGGCCCTG
GGGGGGTGGCCCTAAATTGGAGGTTGGAGGCCTTANANCTTCCAACAATTTAAATTTT
NGCCGGGTTTNGCGGCCTTCAACTTGGGGCCCCGNCTTTTTTCCAAGATNCCGGGGAAA
AAACCCCTNGTCCGGTGGCCCCAAGCCTTNGGCATTTAAANTTGAAAATTCGGGCCCAA
CNNCCGCCCCGGGGGAANGAAGGGCCGGGT

Sequence 2613

GGTCTCGGTCACTCGAATAACCCGACATGGCGTCAATGGTTGCGGTTGGCGGGGAACGAA
GTATATAGAAAAGCGTGCGACAAGTCGCTGGAAATGGCTCGATGACGGCGAAGCCTTGC
GGGGGCGGCAGCGGAGGAAGGACACCGATGACACCAGCCGAAGCTGCACTACTAGAGACC
GGTAGAATGAATGAGGTCCCGGTACCTCGGCCGCTCTAGAATAAGTGGATCCCCCGG

Table 2

GCTTGCAGGGAATTCNGATATCAAGGCTTATCGATACCCGTCGGACCTTCGAGGGGGGGG
GGCCCCGGTAACCCAGCTTTTGTTCCTTTAGTGAGGGGTAAATTTGGCCGCCGCT
TTGGCCGTAATTCATGGGGTCATNAGGCTGGTTTCCCTGTGGTGAAAATTTGTTATCCC
GCTCACAAATTTCCACAACCAACCATACCGAAGCCGGNAGNCATAAAAAAGTGAAAAGG
CCCTGGGGGGTGGCCCTTAAATNGAAGTGGAGCCTAACCTCCAACATTTAAATTTGGCCG
GTTGGCGGCTNCAACTTGGCCCC

Sequence 2614

CCGGGCAGGTACGCGGGGGGGCCGGGCCGAGAGGTGGTTACATTCGTTGAAGGACACCAGC
TGCGGAATTTGCGGCTTTGGCAGATTGAAATCATGGCAGGTCCAGAAAGTGATGCGCAAT
ACCAGTTCAGTGGTATTAATAAATATTTCAACTCTTATACTCTCACAGGTAGAATGAACT
GTGTACCT

Sequence 2615

CGCNGTGGCCGGCAGANGTACCGCTGGGGGTGGTGTCTTTGCTAGATGGTCACATTGAG
CTGNATGGNTGAATCCAGGGGTGCCTTNAGGATTNAGCNCCATGGCGGAAGACATGGTAG
ACCAAAATCAANAACATAATGACCGCCCTTTTGACAGCCGCTTTCCCAACAGGAAC
CNCGACTTNGAACTGCGGGCATAACTACNTGGACTTTTACNCGCTGTCAGTAAGGGC
AATGGACNCGCTTAAAGGGAGGGNGAATTATCCTGNNGTGCCGNAATGGGTNCCCTTG
CCCCGGGGGGCCGNGNACGCATNTAANTAACCTAGTNGNGATTCCCCCNGGGGCCCTTG
GAAGGGAAAATTTCTGATTTATTCCAAAGACTTTTATTTGCGATAACCCCGTNCNNGAAC
CCCTTCCNAAGNGGGGGGGGNGGCCCGGTTACCCCCAAGGTCNTTTTTGGGNT
TTCCCCCTT

Sequence 2616

ACGCGGGAGTGGGAGCGCGGGGACTGGCTGGGAAGCGGTCCGTCGAGTGTGGCCTGTGTG
GACTCGCATCTTGCCCGAAGCTGGGCGGAGGAGAGCTCAAGCTAAGGGTGATCAGCCCAT
GACCTAAACCTCCAGACAAAATAAACAGGGAAAATTTGCTAGAATCAAGAATGATGGAT
CCATGTTCAAGTTGGAGTCCAGCTTCGT

Sequence 2617

ACGCGGGGGCCCTCTGTAAGGCACATGGAGGTGATGATGTTTCTTAGAGAGAAGATCACT
GAAGAACTTCTGCTTTAATGACTTTACAAAGCTGGCAATATTACAATCCTTGACCTCAG
TGAAAGCAGTCATCTTCAGCGTTTTCCAGCCCTATAGCCACCCCAAGTGTGGTTATGCCT
CCTCGATTGCTCCGT

Sequence 2618

CCGGGCAGGTACAAAGTCAGAACTGCCTGGATGGCTACATATACACCGGAAAACCTGGTAA
GTTTCAAACATTNCCTCTACAATCTTCTCTGTGTTTTGGTTGGGTTTCATAGGAGGTTCT
GTGAGTAAGATTTTACAATTTCTGGTATCTATATTAAGTTTCTCTGGTCCAAATGTGTAG
TCCCACAGGTGTTTCATGTCATCCCAATTCGTACCTCGGCCCCGCTCTAGAACTAAGTGG
ATCCCCCGGGCTGCAG

Sequence 2619

AATTGGAGCTCCACCCGCGGTGGCGGCCGCCGGGCAGGTACCGCCTGGTCCCCGCGTGG
AGTCTTTACTCAAAACAGCTCCCGCCTCANGCCGAGATGAGGAGCCCTTCAGAATAGCTG
CTGTCTCTGGGAGGACCCGGGCGTCTTGGCAGCCCAGCTGTGACACTGTGGCAGCCAGC
TCGACGTTCTTGCAAGGTCTACACACTGACCCCTTCCTAGCCAATAACCCGAGAGAAGC
GGGGCCTCGCCTTGACGGGAAGCTCAAGCACGAAGNACACCGANACTTGGCCTCTAGCC
ACCCTGTTTGAGGGGAAGGGGCCAAACCCGTGGAGGATCCTGGGGGATCATTGTTTTCC
CTACAAAAGTTGAAAAGTTGAAAGCTTGGGTGGGTGGTCTCGGGGGCCGGCCCTTCCATA
ACTTTTCTGGTTTGAGAAAAATCGGCNCTTTAAATCTTTAATTTGGATTGGATTGACCT
TTTTC

Sequence 2620

GCGGCCGCCCCGGGCGNGGTACCCAAAACANAGATCTAGCCANTCAAGTCTCTGTGNGCCTG

Table 2

GAGAGACTGGGCAGTTTGACCCTTAAGCCTGAAGATTCAACTGNCCTGCTCTTTGAAGCT
GACACAATNNACTCTGCGCCAGACCATCACCACATTTGGGTCTCTCAAAACCATTGAAAT
TCCTAGAGCACTTGATGGGCTCATGCTAGNTCAGCAAAATATTGGGCCCTTCCTGGAGAA
GAGAGGCTGTATCTCCATGCCAGAGCAGTAAGTCAGCATTCCGGNATTGTAGCTGGTCCC
TTTCAAGCGAAATGGCTCCTTTGGAAAGCAAAACCCTGGCCCAGTGGGTTTATCAAAGCC
TCCCTTTACATACCCCAAGGCAACCCGACCCCCAAGGNACCTGGGCTTTACCCCCAAAA
AGGCAAGACCTTGGGAAGGAACCAGGNCAGGACCTTTTCTTTCCAGGAGGCCCTGCCAA
TTTTCTTCAAATAAANTGGTGCAGGGGGGGGAAAAACCCTAAAAAGGGGGCCTTTNAAGAA
ANAACTGGGCTTCCCTCCAAGGAAGTGGAAAAAANCCAAGGTTTATTCAAAAAAG
GTGGTGANCCAGGCCCCANTTTCCACCTAACCTAAGGTGTNCTTTTCTNCCANTTGG
AAAANTGGGNAA

Sequence 2621

AGGTACCTAGTTCTTAGGAAGGGGGAGGGCGATGGTGGTGGTGAGTGTAATGCGATTG
AGTTCCTTCGATGGCTGACCCTTTGGTTGTGGAAGATGTCAGGGCTTCTCTTGCACATG
TCCTCAGAGGCGTCGGGAGAAGGCTGGAAGGGGCAGGATCCTTTC

Sequence 2622

AGGTACGCGGGGCTGAATAAAGCCGTGTCTCATCTACCTGCTGTCTCCCAAGTGTTCTT
CCAGTCCCTGCCCTCATCAACCCACTCTCCTCAGACCTCAGCTGGGGCTTGAACCTGA
TAATTGGTGTAGTCATCAGGATGAGATTTAGAAAGTGGTGGTGGCCCTCTTGACAGCAT
TTGGCAGTGTGCAGTTGGGCCATCAATAAATCCAAGGTCCAAGGGCCGGAATTGTCTGCC
AAATTCTTGGGAGTTATTTGCTCAGCCACAGGTTGGCATGCTCCAACAACATTGTGGAC
GGGCTCACACCTATGCTGAGGTGGCCAATGTCTCCAAGTGAAGATCTGCACCACTT
CCCAGCAGCAAGCTGTGGATGGCTTGGCNTGGCATNTGCATCCAGGCTTTTGTGAANAAC
TGGACATGGCTAGAAACTTGGGGGTCCCCACNGACAATGGGGCGGGATGCAACATGGTTG
AGCTTTTNGATGGGGGGTGTCAAAAAACCCAATGGCAAGCCTGCCCCCCTGGCCTGGA
CTTCAATAAGCATCCCATGAATGAAATGGGGGGCTTGGCTTAAATGGGGGAGGAAAAAAC
AATGGGNNGNCCCCCATTTGGCAAAGTTACCTTGCCCCGGGGCGGNCCGGNTTTTGA
AACTTANGTGGNATTCCCCCGGGCNTGCCANGAAATTCNANTTTTCAAAGNCTTTAN
TTNGNTNCCCCGTNNGCCCTCNGNGGGGGGGGGCC

Sequence 2623

CCGGGCAGGTACGCGGGGTTGTGGTGGTTTTCTTTGGCACATTTGTTAAGTTTTCAAAT
GGGCCTAACTCTGCCACATATATAATATCGGAGATGGCAAAGGCTTGTGACGGAGATATC
TCTCTTAAGCCTTTCTGCATCAGAGAATGGCCCCACTGCTTCACACAAGAACCACCTC
TCCCGCAGTTCCCAAGGACTTGTCAATTCATGTTCTTATTTAGACCTGTTTTGTAAATA
AAGCTGTTTCCCAAGGAAAGAGATCAAAAAAAAAAAAAAAAAAAAAAGGTCCCT

Sequence 2624

AGGTACCCAGCTACTCTATAAATTTGAGAGACCACAGTATGCTGAAATCTTGACAGATCA
TCCCGATGCACCCATGTCCCAGGTGTATGGAGCGCCACATCTCCTGAGATTATTTGTACG
CGGGGGGGCATTCTGAAGCTGACAGCATTGGGGCCGAGATGTCTCGCTCCGTGGCCTTA
GCTGTGCTCGCGCTACTCTCTTTCTGGCCTGGAGGCTATCCAGCGTACCTGCCCGGGC
GNN

Sequence 2625

AATTGGACTCCACCGCGGTGGCGGCCGCCGGGCAGTTTCCCCCACTGTGATCTATG
AGGATAACCAGAGACCCCTCTGGGGTCCCTGATCGGTTCTCTGGCTCCTTCGACATCTCCT
TCAACTCTGCCTCCCTCACCATNTCTGGACTGAAGACTGAGGACGAGGCTGACTACTACT
GTCAGTCTTATGATAGCAAGCCGATGTGGTGTTCGGCGGAGGGACCAAGCTGGACCGTCC
TAGGGTCAAGCCCCAAGGCTTGCCCCCTCCGGTCACTCTTGTTCCCGCCCTTNCCTTCTT
GAGGGAGCCTTNAAGCCAAACAAAGGCCACGCCTGGGTGGTGTCTTCAATTAAAGGT
GACCTTTNNTNACCCCCGGGNAGGCNCGGTNGACCAAGNTNGNCCCTTGGGAAAGNGG

Table 2

CAAGAATTAGGCCAAACCCCCCGTTTCANAGGGGGCCGGGGGAAGGTTGGGANGGAACCCAN
CCCAACCACCCCTTTTNCAAAAACCAAAAGGNCAAAACCAANCAAAAGTTACCCCTTCG
GGCNCGGCNCCTTAAGAAAAACCTTAAGTTGGGGAATTCCCCCCCCGGGGNCCTGGCCAAG
GGAAATTTTCCGAATTATTCAAAGGCCCTTTAATTCCGGATTANCCCCGGTCTTNAACC
CCTTCTNGAAGGGGGGGGGG

Sequence 2626

ACGTTCTGTTCCCTGAACAGCATTCTCCTCTAGGAGTGTCTGTGATTCCACAAGCAACCC
ANACATCAGCACATACTGAGGAAAGATCTTGCCTCCAGATTGTAGTAAACACCTGGATAT
TGCAGCTTTTTCCATTATTTCTGCTGAATGAGCCAGATGGCTCAATGACATCCAATAT
AATTATGCTCCATAACTTGTCTGATTTTGGCCTTTGTAACATAGCAGATTCATCCTCCAC
ATGTCTCAGCCAAAACCTCAAGTGTCTTTAGGAAAGTGATTGGCTTCAGATATGAGGTC
CAGAGCAATACGATGCTGGTCTTCTCCACAGAAGTGTATGGTTAACCTGCCCAAGTGT
GCCAGCAATAACAGGCAGAACAGAGAAGCCTTCGGACACATCTAACACGTAGAAAGGTT
AAGGATGTTCTGT

Sequence 2627

CGCGGTGGCGCCGAGGTACNTTCATNCNTNNCAACCACCATAACATATTGGNNGNNGTG
CAGGGGGGGTNAANAAANAAAAATANTNNANNATGGNGTACCTTACTGATGACCGCTG
CACAGATGGTGGGTACTATTGGGCTCTGTCTACANTGTGCTNTTATANNATANGNANN
ATANCAGGAATNTNANNNGNAGGNCGATGCTCNNTTTATTGNTGCTGTGGCCTANNGATC
CAGNNGCTCCCTATGTGCACGAGTCCCATTAAAGAGGACCCCTTGGCCTANGGGGCG
GAGTGAAGGAACATGGCTGTGTTGCTGCCAGGCAGGCATAGGCCGAGGTAAAAATCCTG
CATGACACAAGTGGGATTAAGAGCACACGCGCACAATCCTGTGCCTGATATAATCACAGC
TAGGTAGACATAACACAAGAGAAGCTCATCATTGGCTCTCAGCCACTATCATTGTGAG
GTGTACCTGCCCCG

Sequence 2628

CCGGGCAGGTACTGGTCGGATAAGAAGTTCAACAAGGCTCTGCCGTCCACATTCTGGTTT
TGCTTGGTTTATCTTGAGAAAAGCATGAAATCTTGGTTTCTGTTTTTACATTTAATAAT
TGTTTCTTGCTCATTTCAAAGAAGTTTACAAAGGGAGGGTAGGTTTTTACCAAATCTTT
TGAATATTTAGAAAAATGTCACCAATGCTTTTGCTCTCATCCCAATTAACATAAGGTC
TTCAAGATCATCCTTTATCTTAGTGTGTACCT

Sequence 2629

CCGGGCAGGTACCCGCGTGGCTAGGGGAGCCCTAGGAAGCGAGTATAGCTCTCGTGGCCN
AATGGAATGAAGCGAAGCCTTCATGTCAGCATTGGGCTTGCAGGTGCTGAGCCCCCGATG
GTGGCCCCCTTCTCCCGGCTTCTCTCAGGGGCATGGGTGGGTGGAGATATTCAACTACT
TCCAACGGAAACCAACACTTGAAAGGTTATGAAGGCCCTAAACCTCCTGCTCTTCCATG
GNGATGGCTGACAGCTAAAGCCCACTGCCACTACCCTAAGCCCAAGCTTGATCACCTGG
AAATGGGACTGAGAGAGGACGAGAACAGCACAAAGCCTTTGAGCTCTCATGGGGTGGCGT
AAATTTATGGTCAATATGCCTCCAGATCAGAGGTCTGCTGTTAGAGAGTTTTCTTTTT
TGCTTTAGTGTACCTCGGCCGCTCTAGAACTAAGTG

Sequence 2630

TGGAGCTCCACCCGCGGTGGCGGCNCGANGTACAGGCTGGGCCAAATGTCAGAATCAAGG
CANCNGNNGGGGANAGGCAGGGCTGNAANAGCNNTNTCATTGTCNCCANTTCTCAAG
AGGCAAATCTTCTAAAAATCATCTTGACGCCNCGAGCCATCTAGCCTCAGTNGCATGA
GNAGNGGATCGGATGNANATATCCTTCATGGNNGNNGTCCAAGTTCCCAAATCTGGNAAA
GCCATTAAATTTCAACCANTCCAAAAAATTATTTGGGCAAAAAATAAGGGGANAATGGCC
CTAGCCATTTTTTATNGGGGACCATTTCAATTGNACCCTCGGTGGGGAAAAAGNTAATTA
ATTTTTAAAAAAAAGTTGGTAAAGGTTCCCTNGNAATNTTAAATAATTTTNGANAAA
TTTTNGGACCCAAATTTTTNAAAATTACCAAATTTTAAAGGAAAAAGNAAAACCCANA
NAAAAAAGNCAAAATGGGCCTTTAAATAAAAGGTTTAAATCCTTTCCGGGGAAACCATT

Table 2

NACCAAAATTAATTTTCAAGGATTNCATTTTGGCAAGGTTTNTAAAAAGGGTGGTGGG
ATTATAAAATTTTGGAAATTTNAAATTCCAAAGGCCAAATTTTGGANTTCCCCCATTT
CCTTTCAATTTTCCCCCTTGGCANAAATTACCACNTCTTGGTNAAGCCACCATTATTAC
CACCGGTAACCCCTTGGCCCCCGGGGGCCGGGGCCCGCTTCNTTAGGAAACCTTAGGTNGG
GAATCCCC

Sequence 2631

AGGTACATGAGCAGGCTCAGCCTAGGGGAATAATTGCCGNNGGGANACTNNGGGGAAGCC
NNNANACCATNNNTNTNCCAGGAATCTGCGACATCTCCAGGGCATCATTTGAGTCCTGCC
TTCTCAAAGTACCTGCCCCG

Sequence 2632

TCCACCGCGGTGGCGGCCGTCCGGGCAGGTACGCGGGGAAGACGACGTACCAGCCANGNG
GGGNGGGGGCTTTGGANAAAAAAANTNTTTTTNTTTNGCCGAACCTCTGTGAGTCCA
TGAAGCTGGATTGTCCCTNGACCTCTTTGAGGAAGGAGAGGGTTGCTTCTAACTGGTCC
TGGGAGATNCCACTGTGATGTATCCCGGGATGAAGACACAATCCTGGTTACTTTCATAGC
CCCGTTTTCTTNCCCAGCCCTTGACTTNTCAAAAAGCCACTGCCACAGAGGAGGAGGCC
AGCAANAACCCCACTTTCAGGCTTCTTTAGGGACTCTGCACCTTNNCCCAGGAAGGGAA
AAGANATTTAAAAAANTTGAATTTTGTTCNANGGGAAANGCCANGTTGGACCCTTTC
CAAAGGGGACNGTTGGGGCCTNGTTGGGCCCTTTTCCACCGGGGAANGGNAATGGAAAAT
TTTGGGGGCTNNGCCTTGGGGCCCCCTTGCCCCCAGGAAGGGAAAAGCCTTGGNTNCC
CCTNTGGGNCCCGCCTNCTTAAGGAAACCTTANGNGTGGGGATTCCCCCCCCGGGGGGC
CTTCCAAGGGAATTTCCGTAATNATTCAAAAGGCCTTTATTCCGGATTACCCCGNTNCN
TAACCCNTCTNGAANGGGGGGGGGGGCCCCCGGTTNCCCCCAACCCTTT

Sequence 2633

CCGGGCAGGTACGCAGGGGGCCTCTGTAAGGCACATGGNNGNGAGGGGGTTTCTTAAANA
GAANATCACTNNNGAACTTCTGCTTAAATGACTTTACAAAGCTGGCAATATTACAATCC
TTGACCTCAGTGAAAGCAGTCATCTTCAGCGTTTTCCAGCCCTATAGCCACCCCAAGTG
GGTTATGCCTCCTCGATTGCTCCGTACCT

Sequence 2634

ACCGCGGTGGCGGCCCGAGGTACCAGGCTAAGTTGCTGCTAACACTCTGACTGGCCCTGC
AGGAGAGGGTGGCTCTTTCCCCTGNANACNCAGACAGGGTGGCTGGAGACTGCGTCATCA
CTATTTCTCCAGTGGTATCTGGGAGCCAGAGTAGCAGGAGGAAGAGAAGCTGCGCTGGGG
CTTCCATGGTCCGTCTGGGNCCTAACTGAGCAGTTCCCCCCNGCCGT

Sequence 2635

TTGGACTCCACCGCGGTGGCGGCCGAGGTACTGTGCGCTGGAACCTCCTTGGGCTCAGCT
GCTNGCNGGGAGGNGAATNCTAAATATAAACTATGCCCTATGCTTGCCTCTAACTCTTGG
GGGACCTCTACCATACATCTGTCTCATGATAAACTGTGTCATCACTCCCGCGTACCTGC
CCG

Sequence 2636

ANCTCCACCGCGGTGGCGGCCGACGTACCCGGNANGGCTCATGCNCGCAAGTAGGTNNG
GNGGGGNNGNANANTCCCCNAACAAAAAATAANTTTTTNTCCTTTCATGATACCCGCCC
TCATAATCATTTTCTTATCANGCTTCTAGTTCTGAATGCCCTTTTCTAACNCTCNC
AACAAAATACTAATNCTAACATACTCAANACGCTCAGGNAAATNNNNAACCCGTCTTN
AACTATGCTNGGCCGGGCAATTCATCNCCTTAGTCCTTTANTTGGGCCCTCCCNATTCCC
CTTNNGCATTNCTTTTACCANTAACCAGGACGANNGGTCCANACCGATTNCCCCTTCCC
CCTTTANCCCATTTCAAAAATTCCANATTTTGNCCCCACCCCAAATTGGGTTATCCCT
TGGCCCCCGGGGGCCNGGGCACGGCCTTCTTTAGGNAAACCTTAAGGTGGGGANTCCC
CCCCCGNGGGGCGTGGNANNCGNNAATTTNCGAANNTATTTCNANNACCCTTTTNC
CGNTTAACCCCGGTCCNGGACCCCTNCCCATGGGGGGGGGGGGCCCCCCCCGNGTTTACC
CCCCAA

Table 2

Sequence 2637

CGAGGTACGCGGGGGCCGACGGACTGTGTCCGGCGATGGGCACGGGCATNTNTTCGTTNA
TAGNTNANTGTTTGCATTCTGATTGGGAACACTGGGATCATTTTCATCATGCCGACAGTG
GTGGTAATGGATGTATCCCTTTCCATGACCCGACCTGTGTCTATTGAGGGGTCCGAGGAA
TACCAGCGTAAGCACCTAGCAGCCCATGGTTTAACGATGCTGTTTGAGCACATGGCCACA
AATTACAAGCTTGAATTTACAAGCACTTGTGGTTTTTCATCACTTTGGGGGAGTTTGAT
GNGTCCCNNTTCACGGAGAGATTATAATTACCCCTACAGGGAAGGCACTTAAGTAAATAT
GGGGATGAATTANTGACCAAAAACCTGCTTGGGAGGTCCTGCAATTAGTTTGGTGTG
CAAATATTCGGTTTCAAGCAAGGAATGGGGGNGGGTGCCAAATTCCCTTGCCCAAGGTTG
TCCCTGGTTGACAGACGGCTGTCTTGGCATTGGGTAGGAGGGGGTCACNTGCCGACCA
TTCCCCCTAGCCCACTCAAAAAATCAAACGNAAGTGGAGGANGCAACAGGGNTTCCACT
TACCCTTTTCCCTTTTCCCCATCTTAANGTTATTATAATCCATTGGTGNCATNGGCCGAA
ATTT

Sequence 2638

CCGGGCAGGTACGATGTTTAGCAGTATCCTCCCTTCTCCAATNGTGACAATCAAAAATGA
CTCTAAACATTACCATTATTACCTAATTGAGAAATGCTGCTGTAAGCAAAGCTGCCCTTT
GCCCTGGAGGGAGGCAGTATCTTTCTGTAAAGAATATTCACGATACAAACATTCTTGGAT
AGTCAAAACAAAAGGCAGTCAGTGTGTTTGCACAAAAGATGTGCAGAAGTGTGTACCCA
TGGAGAATTGTCACCGAAGAGAATCCTGACACCCATTAGTCTCTTTGGATAAAAGTTACC
TATCACCCAGGCAATGTTATTATATTGACATTATGCCCTCCTGTAGGGTACCCTCGGCCC
CGCTTCTTAGGAACTTAGTGGGGATCCCCCGGGGCTTGCAAGGAATTTCCGATATCAAG
CCTTATTCGAATACCCGGTGCACCTCGNAGGGGGGGGGCCCCGGGTACCCCAAGCTTTTT
GGTTCCCTTTAAGTGGAGGGGTTAAATTGGCGCCGCTTGGGCCGTTAATCAATGGGTCC
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CCNAGCCCCGGGAGCCATTAAAAGTTGGTAAAAGCCCTGGGGGGTGCCCTTAATGGAGGTG
ANGCTAACTTCACATTAAATTGCGTTTTGGCGCTTNACTGCCCCCGCTTTTCCAAGTTCN
GGGAAAACCTGGTCGTTGCCANGCCTGGCAATTTAATGGNAATTCGGGGCCCCAACNCC
CC

Sequence 2639

GCTTTTCTGCTATCCTCCATGCAGTGTNATAGNCANGGAAAAGGGCAACAGNATTGGATC
ATTCCTTAGACACTAATCAGCTGGGGAAAGAGTTCATTGGCAAAGTGTCTNCCAAGAA
TGGTTTACACCAAGCAGAGAGGACATGTCACTGAATGGGGAAAGGGAACCCCGTATCCA
CAGTCACTGTAAGCATCCAGTTAGGCAGGGAANGATGGCTTTTGGGGCANTGGCNTGGAT
GTAAAAGCCAGATTTGGAGGATACCCAGCTCCGGGAAACGAGGCCCATCTTTCTACCAA
GGGTTTCTTTCCCTTTCACTTGAGGACCAAATGGAAATTTCCAGGGGTGGATTCAATTTCT
TNTTGNAGGGGGGCCCTTGANAAAGGTTGCCTTTCCCTTCGGATTTTCAACCTTACCCAA
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NAAACCTTAAGGGGGGGCCTTTTGGGGTAATTATTAATTGGTTGGGGTNCAAAAAACCC
GAAATTTAANNNTTCCAAATTNAAATNGGGGCTTTTCCNAANNCTTTTGGGCCTTGG
ANTGGAACCGTTTCCCCCACTTTGAACCANGAANAAAAANGGGGGAGGGCCNTNGGTTA
AANGGAAACCTGGGGGTTCCCTTTCTTNGGGGTTAGAAACNCTTTCTTNGGGNAAGCTTC
CCTCCNAGNGCCTTTGGACANNGGCTCNTTGGGGGNAAAAGGGNC

Sequence 2640

GGAGCTCCACCGCGGTGGCNGCCCGCCCGGCAGGTACGCTGGGCTCCTACTTGGATAACT
GTGGTGNANNNTAGAGCTAATACATGCCGACGGGCGCTGACCCCTTCGCGGGGGGGATG
CGTGCAATTTATCAAGATCAAAACCAACCCGGTCAGCCCCCTCTCCGGCCC

Sequence 2641

CNGCCGGCACCTTGGCCGCNTTCAGAGTGCCNATGAGCTCCCCCAGACTCTGCTTCCGCC
CGTTATCTTCCANTTTCCCCAACNAANAACCTTCTGGAGGGGCGCCATGGCGCTNGAGC

Table 2

CNAGGCTCTGANNGTCAGTGTCTGCCCCGCGTACCTCN

Sequence 2642

ACCGCGGTGGCGGCCGGGAGGCTGACNAGAGCCGGNAGGCGTTAGCGAAGGAAGAGA
AAANCCGAAGACGAAGCCACTACAGCGTCGCAGCGCGCGCGCTGCTTTATAGGAG
AGGGCGCAGGCCCCCGCGTACCT

Sequence 2643

CTCCACCGTCGGTGGGCCNGCCCGCACCAGGCTTACATATCCCAAGTTTTGGGTTT
TCNAAAAAATCCACCAGGGGGCCNAATNGCAACCTCAATCNACTTCTTAGAAAAAGG
NCANGGCTTTNAGGCCTACCCCTGGNAAANGATTTTTCCCTTTTGGAAAGNTTTAAAG
CGNNTATTGGNTTTTNGAACNTAAACCAANGAAATTTTNCCTTACCANTNNAANGAAN
AACCTTCTTAAGGGGGTGGCCTTATTAATTATATTCCCAAAAAAACCTTTTTTTCANN
NCCCTTGGTTTTGGCNTNCAATTTTCTGGNNNCCCCAATTGCCTTGGGGCNNAATTAN
AATTAACACCTTTGGTGCCAANCNCCCCATTTTAACCCCCCTTTAATNTTTTGGANAA
NATGGCCTTCCCAATNCCTTCTCCTTGGGNTGGGGGGGAACCTTTTGGTGAATTACNTTT
GGGGGCCCTTGGGCCCAATTTANTTNCAAGGAAAACCAANCCANAAAACCCNCCCTTGG
AAAANGGAAGGGGGGTTTTCCNTGGAAATTTTTGGGAAANNCCATAANNNTTTNTT
TTNNTTTTCCAANTGGGCNCCCTAACCCCCCTTTTTTTTTTTTTTGGGGGAAAAGGGT
TTTTCTCCCANGGCCCCCGCCAAAAANTTTTTGGGNAAAAATGNN

Sequence 2644

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TTCTGGTTAGAGATCTTTGGGGGCTTGGATGGAGGAACAGGAAAAGAGGAGCCAGGCTT
TTTGAAAATTGGCGGCAGCGGTGGCATACGGGAACTGAAATCTTATCTAATCTCATC
CTTTGTATATTCGTCTTGGATTTGCTGAAGAAAATTAAGGTAATTTGCTGTGAGCT
CACTGAACCTCAAATTGAAAGGGAACATATGCTGTTTATTTTTGTGAAGGACATTAATTGG
GTGTGACTGGCAGGGTTGAGACCTGAAGTTCCTCTTTAGATAAGGAAAATTTCCCTTGG
TGAGAAATCTCTAGACTAGTTATGATAGATTCCTAACCCCCAACCTTGAAAGGTAACCTA
AGGCTCCCTNCTCTAAGGGAAGGGCTGAAGAAAAATTAACAGGCACTGTGCCTATGAA
GATTTGCGAAAAAACAAGAACATCTAGGANACTTCTCATTCACTGGGTCAAGC
CAGAGCCATCAACTTTGTGACCTANTGAGTGGTTAGTGGATATAGGCAAAGGGTAGTAAC
TTGGGACCCAGANGTTAGGGGATNCCGAAAAGTTGAAAATGTAAAGACCAAANGCCAGA
GGGTATAACCTTACNNGCTCTTGGGGAAAGTANGGAAAGCCCCAAAANTTGGGGCTCCC
CAAAAATAAAATNTTTTAGGAACCTGNGGGTNTTAAANNACCTTCCCAAAAGTNAA
GTANCTTTTTTTTTTTT

Sequence 2645

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGTGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATCCTTGAAATTTGCAAG
TTGTCTGGGTTTCATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCACAAGAATTCAACT
GGATCTGGAAGAGGAAAGAACTGATGGTGTTAACCTGAACCCCATTTTGATTGANACCT
ACACAGGGCTTGATGTCAATTCATTGGAACCCGCAACAAAACCTTGGGCTTATTCCTTT
GCCCCGTGGGGANGTATTTGGTTTTTTTGANAGTCTTTTTTGGGTNCCCTNCGGCCCGC
TNTTAGAACTAANTTGGGATCCCCCGGGCTTGCAAGGAAATTTTAATATTAAANCTT
ATTNGANACCGTNGAANCTNCNAGGGGGGGG

Sequence 2646

ATTGGAATCCACGCGGTGGCGGCCGAGGTACTNATTTTTTTTTTTTTTTTTTTTNGN

Table 2

GGGACNANAATNCCCGGGTNNNAAAGNAAANTNTTTTNNNCNCCTGCTGCCTTCCTTGGA
TGTGGTAGCCGTTTCTNAGGCTCCCTCTCCGGAATTCGAACCCCTGATTCCCCNTCACCCG
TGGTCACCATGGTAGGCACGGCGACTACCATCGCCGCNTACCTGCCCGGNGCGGCCGCT
CTTAAACTAGTGGAATCCCCCGGTGCTGCAGGNAATCTTATNTCAAAGCTTATTGNT
ACCGTNCNANCTTCAAGAGGANGGGGCCCGGTNCCCCAAGCTTTTTTGT

Sequence 2647

GCAGCTCCACCGCGGTGGCGGCCGAGGTACCACCAGCGAGGTCTGGGCCACTTTAAGNNN
AGCANNNTGTCCACCCAAANACCGATGATGGCTCCCAGGACCAGAACAGACCCTGCCAC
CACCAGCCCGTAGACTGCTGTCAAAGGAGGCTGTTTCCATAGAGCTCTACCAGAAACAC
ANGACACCCGCAAAGTGCCACATCCGATCTCCCCAAGTAGAGAGAGAATGACCAAGGTAA
GAGAAGGAATTTTGCAGAAGGTCAGGTAGTCGGCCCAAGGATCCACAAGCATTCTCTT
CTGGCGGTTGTGATCTCCCGCCCCCTGGGTCCATTGACACTTAGGGCCGACCCCCGCTTGG
CTCTTCTNGCGGCTTGCTTATCCGCNTGCTTGCTTCTCGCTTGAAGGTGCTTGGTT
AAACCAAGGGAGTTGCCAAGGGGAACCTTGGGAGAATAGCCACCTCTAAAAAACCAAA
CAAGCCCTTTGGGGCCAAAAAAGACTTTCAAACCGACCGACTTTTTTGGGCCCAAGAG
NAAACAAAAAGGNAAAAAGGGGGGCCCAAGGGGGGANTTTTTCTTTTTTTTNCCTT
CCTTTTCCAAAAACCTTANNCCTTNAACAACCTTGTTAAGCCTTGAAAAAGTTTNGGGA
AAAGGGGCAAAAAAGCCCTTNTTNGGAAAGNCCGGNTTTTGGGGGAAGGGCNTTCAAA
CCAANGGTTCCGNTCCCGAAAAACCTTANCCNGGGAACCGCCCCCTTGAAACCCAAAGC
TTTTTTTTTTCCGGCCC

Sequence 2648

AGGTACTATCCTAGACAGCTCTGGGAGTGTTACATAACGTATGGTAAGTGTGCTACATGG
CCTTCTGAAGCCCAAACCATTTTGCAATTATGAAAATACCTGGCCCCAGGAATTTTCAAGT
AAGGGATTGTGGACTTATATTTAAATCTGTAACCTATAGACAGTAATTTTATAGAGC
CAGCTTCATGGAGTTGTAATATTACTGGGCTAGGGTCAGTTTCTCATTTTAGGCTTCC
TTAATCCAGTCCAGACACCAAATTAATGTCTTTGTGTAGTCCCTTCAAAGCCTCTTG
CAATCCAGTCATGCTTCAGGGTAGGGATGATCCCATTAATCCAAGGACCTGTCCCTAGT
GATAGAAGGAAATGGGTGGGAGCCACGGGATCTGGGATTGCAGTGAGAAGTAGACAAGAA
AACAACCATAACAAGTGCCCTCTTCTCAGGTGTTTTCGGATTGCAATANGAACCCTGGC
CACCTCAGCACCCGATGTCCCATCCTGTCTGTGGAGGGCTGGCCAAACGCTGGCTGG
TTCTGGCTGGGAGGGTTGGGCTGGATCCTCATTGACCGGAANNAGACATTTTGG

Sequence 2649

CGAATTGGACTCCACCGCGGTGGCGGCCGCTGACACGGCTTCCTGGGCGGTCCCCTCCAC
CTGTTGCTTCAGGTCTGCGAGCCCTTGTGTTGCCATGGCTTCGGGGTATCTGTGGAGTCG
TCAAGAGCAGCTGGAGCGACGTTGGATCCTGCCAGAGTCCCCGCGTACCT

Sequence 2650

CCGAANTGNGCTGGCCTCATTTAAAGAATGAGGCTTTCTGCTGCTTCTCNTAGTGGGCA
GGCCGTNATGCNATGGTCCCGGAGCCGAGGCCTTCGGCCAATCTTGGGGCGGCGGTGCC
ANCAAGGAGATTAAAGGATGCCAGTTACCTNNGGGCCCGCTTCTTAGAACCTAGTGGGA
TCCCCCCCCGGGGCTTGCAAGGGAATTTTCGNATNTCAAAGCCTTTTATTGGATTACCC
CGTTCGGACCCTCCGTAGGGGGGGGGGCCCCCCGGGTTAACCCCCAAGCCTTTTTTGGT
TTCCCCNTTTTTANGTTGGAAGGGGGTTTTAAATTTTGGCGGCCGCTTTTGGGGCCGGT
TAAATTTCAATTGGGGTTCCAATTAAGCCTTGTTTTTCCCTTGGTTGTNGGAAAAAT
TTTGGTNTTAATTCCCCGGCCTTCAACCAAAATTTTCCCCAACCAACCAAAACCAATTA
ACCCNNAAGNCCCCGGGGGGAAGGNCCATTTAAAAAGGGTGGTTAAAAAAGGCCCTT
GGGGGGGGNTNGCCCCCTTAAAAATTGGAAGGNTNGGAAGGCCTTTAAACCTTCCAA
CCAATTTTAAATTTTGGCCGGTTTTGGCCGGCCCTTCAACCTTGGCCCCGGGNTTT
TTCCCAAAGTTTCCGGGGGGAAAAAACCTTGNTTCCGATTGGCCCCAAAGCCCTTGGCC
AATTTTNAATGGGAAATTCGGGGGCCAAACCGNCCNCCCGGGGGGGNAAGNAAGG

Table 2

GGCCGGGGTTTTT

Sequence 2651

GGCGGCCGCCCCGGGCAGGTACGCGGGAGCCTAGCACCGAGCGAGGCCCGCGGCTGGGAAG
GGAAGGAGGCGGGTGGATCACGAGGTCAAGAGATCGAGACCATCCTGGCCAACATGGTGA
AACCCTGTCTCTACTAAAAATGCAAAAATTAGCTGGGGGTGGTGGCGCGCGCCTGTAGTC
CCAGCTACTCGGGAAGCTGAGGCAGGAGAATCGCTTGAACCCGGGAGGCGGTAGGTTGCA
GTGAGCCCGAGATCGCACCACCTTGCACTTCAAGCCTGGCCGACAGGAGCGAGACTCCATC
TCAACAGGANTAANAAATAAANGGAAAAATAAAAGTACCTTNGGCCGCTCTTAGGAACCT
AGTTGGGATCCCCCGGGCTGCAAGGGAATTCGGATNATCAAAGCTTTATTTCGNATACCC
GTCCNAACCTCNAAGGGGGGGGGGGCCCCCGNGTACCCACGCTTTTTTTGTT

Sequence 2652

GCGGTGGCGGCCCGCCCGGCAGGTACTTATTTTTTTTTTTTTTTTTNTTGGGNCNNACGA
AATTATTTATTGCTGTCTAGGAGGCCAGGACCTCCANACTGAANAGTCCATGGGCCCT
GTGCATGTGANAGCTACACAGGAATCGCTGTCACCTTCCAAGGATAAGCANACAGGGCC
ACACATGCCATGGCCACTCGGTGCACAGGGACCAGGCTGTGCCANAGACCCAGGCATCC
AGCTTGCAATCCAAGTTCCTTACTGGAGAGCCCCACCTGCTTGGATGGCAANCNCTAGGC
TTGCTTGGGGATTNGGNGAACTTTCNTCATGAAANAANAATGTTCTGGGNTGTCTGT
AGGGGGACAATTGATTCATCAGGGAAGGGGCCCTGTTTGNAAACCGCCACAAATGGGTT
CCTTTGTTCTCCCAACTAATTGCCAGAAAAAGGGAGGGGTGGANTTTTGGACTTGCTTGN
TGGGCAGACAAGAATGCCTTTCTTGTGGCCCTCCCTTTNAAAAATAACCCCGNGGTTAC
CCTTNGGNCCGCTTCTTANAAAACTTAGNGGGGANTTCCCCCGGGGGCCTGGCAANG
GAAAATTTCCGAATNNTTCAAAGNCTTTATTCGAANAACCCGNTCCGGAACCTTCTGA
ANGGGGGGGGGGCC

Sequence 2653

ACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCTGGCT
AACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGCTCAC
GCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGGAGGTG
GAGGTTGCAGATGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCCGACAGTAGCAAG
GACTCCATCTCAAAATAAAGAAAGNAAAGNAAACATAAGGAAAAAGGAAAAGCTTTATNTT
GGAACCTTCTCTTAAAAAAGGAAAAAAGGAAAGCCTGATGCACACAAATCTAAAA
TTTGGCAAGGTCCGAATCAATTTAAAGGGATATTTTATTTGGCATCCACCAAAATTA
TTTCTTTTACTTCCCCCCCCAAAAAATCAATAAAAAAGTTTCAAAATAGCCAACCTTT
TTCCCTAAATGGTGTTTTAAAAAATGGTTAAATTCCACCCCAAAATTACCATTTGTTGTT
CCCCAACTTTTCTTTTCCCAGTTTAATTAATTTCTTAATTGGGGGGTAAAAAGGTGG
GAGGGTTTACCCCTGGAAAGGTTGGAGGGGCAANTTAAAGAANGAAGTTTNGGAGNCT
TTTCAANNAACCCCTGCCCTTGGGANAANGAGCCGTGGTTTCTTTTCTTTAAGAAGTCC
TTGAANGGAAAAATNGGTTTGGGGGGGGCACCAAAATTTCTCNTCAAAATCTTTTTTC
TT

Sequence 2654

TTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCT
GAGGTCAGGAGTTTGAGACCAGCCTGGCTAACATGGTGAAACCTGTCTCTACTAAAAAT
ACAAAAATTAGCCGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAG
GCAAGAGAATCCGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACT
GCACTCCAGCATGGGCCGACAGAGCAGGACTCCATCTCAAAATAAAGGAAAGGAAAGGAAA
CAAAGAAAAAGAAAGCTTATATTGAACTTCTNTAAAAAAGGAAAAAAGGAAAGCCTG
ATTGCACACCAAAATCTTAAATTTGGCAAGGTGATCAATTTAAAGGGATATTTATTTGC
ATCACCAAAAAATAATCTTTACTTCCCCCCCCAAAAATCAATAAAAAGTTCAAATAGTAA
CCTTTTCTCTAATGGTGTTTTAAAAATGGTAATCACCAAAATACCATGTGGTCCCCAA
CTTCTTTCCAGGTTTATAATTTCTTATTTGGNGGTTAAAGTGAGGGTATACCCCTGG

Table 2

AAGTTGGAAGGGCCAATAAAGAAGAGTTTGGAGCCTTCANGACCCTTGCCCTGGGANAAG
AAGCCGTGTTTCTTTTCTTAANAAGTCCTGAAGGAAAATTGGTTTGGGGGGGCCACAAAA
ATTTCTTCTCAAATTCCTTTTTTTCNTTTTTCC

Sequence 2655

GGGCCAGGTTTCCAGGTGAACAAAAAGTTTTACCNGGAANAGCNGGGGGGAGGACCCAAG
GAANAAATAAGNAGCCTTNAGGGAATGNAGGGGATANAAGGAAAAAAGGATTTGGAG
GAGGAAATTTTGGTGGCCCCCCCCANACCCCATTTTCCCTCAAGGACCTCTAAAGGAAAA
AGGAACCACCGCCTCTTCTCCAAGGGCAAGGGTCTTGAAAGGCTCAAACCTTCTTATT
GCCTTCACCTTCAGGGTATTACCTTCACTTTTACCACAATTAGGAAATTTATAAACCTGG
GGAAAAGGAAGGTTGGGGGGACANCAATGGTAATTTTGGGNGGAATTTACCATTTTTTA
AAACCACCATTTAAGGGAAAAAAGGTTTGGCTTATTTTGGAAACCTTTTTTTTAAATT
TGGATNTTTTTTGGGGGGGGGGGNAGGTTAAAAAAGGNAAATTTTAANTTTTTTGGGTG
GGAATGGGCCAAAAAATTNAAAAATTAATCCCTTTTTTAAAAATTTGGGAATTCGGA
ACCTTTTGGCCCCAAAAAATTTTTAAGGAAATTTTGGGTGGGTGGGCCCATTTCAAANG
GGCCTTTTTCTTTTTNTTTTTNTNCCTTTTTTTTTTTTAAAGGAAGGAAAAGGTT
TTCCAAAATTAATTAAGGGCCTTTTTTCCNTTTTTTCTTTTTNGGGGTTTTCCN
TTTTCTTTTTCTTTNTAAATT

Sequence 2656

GGCGGCCGAGGTACAGCCTGCAACTGTGGCGCAGGCGCAGAACAGGATTGAATTCGCTA
AAAAGACAAAGGAAGAAAAAGTACGGTCTCTGTCTCAGGGCATTGCAACCCATTAGGCT
GAATCACATGAACTGCAGATTATGCAGGTAAATATGGCCACATATCCACACCTTCACAG
GGCTCTGCCTGACACACGGAGGACACAATCACAAGAGCCAAAGCAGGGAGGGGGCAGGGA
AAAAGTGGACACAACCCACCCAGTCCAGTGGTGC GGATCAATAAATCGAGACTTACGGC
CAATCTGAAATAGATTCTATTCATGAAAGTCCTCCAGAAACAACATTCAGGATGACGGC
ATCAGTGTTAGCCAAGTCCCGCGTACCTGCCCG

Sequence 2657

AGGTACATTTTATCAAGTTACCTATGAACCGATGTATTTCTGTTCACTTAATACCATTAC
TAAATTCAGTTATTGACCTAGTCAATAACTGCCCACTTCACATTTACATACAGTGAAG
AAACTCTTGTTTCAGCATTCCTTTTTGGGTGGTGGTTGTTGTTTGTCTTTTTT
ACACAAGGCAATCCAACTGCCAATCTACTCCATCCGAGCCTGTGTGCAAACCCCTTTT
CCCACACCCTGAATTTCTTTCTTCTTAACGTCCACCAATATGAGTCAAAGGATCTTT
TTACAAAGCTATGGTTACAGCAGAGCCACATTCCTCCAGAACTCGTGTAGAGTTGCTTG
TCTCCAAAGCCCCACCTGGGTTTCCACCATATGCTTTCTGGTCAACGACACTCACCACAGC
ATCCTCTCTGGCGGTTGTGATCTCCCGCCCTGGTCATGACACTAGGCGACCCCGCTGGCT
CTTCTGCGGCTGCTATCGCTGCTGCTCTCGCTGAGGTGCTTGNTTACAGGGAGTGCA
AGGAACTGGAGATAGCACCTCTAAAAACACAACAGNCTTGGGCAAAAAAGACTACAACGA
CGACTTTTGGCAAAGAAACAAAAAGAAAANGGGGCCCCAGGGGATTTCTTTTTTCC

Sequence 2658

CCGGGCAGGTACAGATGGAGGGGCTGGCCCATGCAGGGCCTCGGGGTGAGGTTCACTAGG
ACTAGCTGCAGGGGGACCTGGCTACACTCTGTGGCACAACAGGGCTTCACAAAATGGACA
CTACACCGTGACGTGGGCTGAAAGGTGGAGCAGAGACTGGGTGGGAGTGTGAGTTGCACG
TTGTGGGGTAAGGGGGAGAGGGAGCAGGACAAGTGATTATGTACCTCGGCCGCTCTAGA
ACTAGTGGGATCCCCCGGGCTGCAAGGGAATCCGATATCAAGCTTATCGATACCCGGTC
CGACCTCGAGGGGGGGGGGGCCCGGTTACCCAGCNTTTTGTCCCTTTAAGTGGAGGGGT
TTAATTTGGCNGCCGCTTGGCCGTAANTCATTGGGTCAATAAGCCTGGTTTTCTGTGT
GNAAATTTGTTATCCCGCTCAACCAATTCACCACAAACAATACGAGCCCGGGGAAGCC
ATTAAGTTGGTAAAAAGCCCTGGGGGGTGGCCTTAAATGGAAGTNGAAGCCTAACCTT
CAACAAATTAATTTTGC GTTTGCCGCTTCAACTTGNCCCCGCTTTTCCAAGTTCCGGG
GNAAAAACCCCTNTTCCGGTGGCCCAACCTTGCCAATTTAAATTGAAATTCGGGCCCC

Table 2

NAACCCCN

Sequence 2659

ACATTCCAAACACTTTTTCATAGAATGGTTGTAAACATGCTCCCTATTTCTGCTTGACAT
GTTACATCACAGTGCTCTAAAAGCTCTGTCATGCGTATTATACTCTCAGCATCCTGGATA
ATAGAGTTCATCTCCAGTTCAAATTCCTCCACCAACCAGCTTTATCTTGTTTCCTGCAAAA
TCATGGAGGTTTGGGAAGTTCCTTTAGACCCATTCTCGTATGGAGGTTTGTTTCTTCTT
TTTTCTTTCCGCGGAAACCTGCCTCCTACTCCACCATCACATGGAACCCACCAGTCTTC
TCCGAAGCTCGCTCTGACCACGCCGCTGCTGCTGCTGCAGGGGCTCGCAGGAAGTGCC
CCGCGT

Sequence 2660

CCGGGCAGGTACACGACAATTTTGTCTCCACCAAACACTTCAGATATGGAAGCTGTGGTA
AGTATAGAAGAAGAAATTTGTTTGGGAAGTGGAGTTTAAACTGTGGGTGTTGTTTAGCAG
TCAGTAGAAAACTTAATTTCTAAAACTAAAAGTTAAATTTAGGTTTTAAAAAACTGC
CAATTTCTTCATTATAAATAATCCTAACTTAAAGAATGAAAGAATTTTAAATAGTATTT
TTTTAAGAAACAATTTAGAAATGCTGCTACTGGCCTGGTGCAGTGGCTCACACCTGTAA
TCCCAGCCCTTTGGGAGGCCAAGATGGGAGTATCTCAAGCCCAGGAGTTCGAGACCAGCT
CAGGCGACATGACAAGACCCGTCTCTACAAAAACAAACAAACAAACAAAAACAA
AAAAACCACCACAACAAAAATGAGCTGGGTATAGTGTGGACGCCTGTAGTCCCAGCTA
CCCAGGAGGCATGGGAGGATTGATTGCTTGAGCCAGGANGGGCGACTGCCTCCAGCCTG
GGAAACAGAAATGAGACCAACTGGGNAAANAANNNNANTNANNNNNNNAAGTCCCTCGGCC
CGCTCTTAGAACTAGTGGGTCCCCCGGGCTGNANGGATTTGATTTTCAAGCTTTTT
CGATACCCGNGCGACCCTTNGAGGGGGGGGGCC

Sequence 2661

AGGTACGCGGGATCTCCCAATGCCACCTGGAGTCTCCCTCAATTGTCTCATTACAC
AACTGTCTTCTCTCTCGACTAGGTATGGTCCGACCGGCGTTTAGCCGAGCTCTCTGAT
TACCGCCGTTTATCAGAGTCGCAGCTTTCGTTCCGCGCTCGCCGACAAAGTCTCGCTG
GATTACCGTCGCCTGCCCGATGCCATTCCGATTACGCACGCTATTGCGGCTCCTATAAT
GATTACCTGCGGGCGGCTCAGATGCACTNTGGCTACCAGGCGCCGCATGTAGGGGCCATC
CTTGGGAATGNGGGCACCACAAGGGNAGGGGAGGGGAAGAAAAAGAGGGTTGGGTAAGG
GGTTACAGGATCCAGGTTTATAAACTACTNTTGGGCCCATACCTTTCCTGGGTTGGTGGT
TTTNTCATGCCCTCNTACCATGTGGGGGCCCTTCCCCCAGGAAGATGGATCCCTGTTTAA
GTTGTTCCGGCAAGTTAACCCTAANTTTGGTTCCTTCCGCTCAGCCAGGCCAAAAATTC
TTGGCTTAACNTGGGCTTCTTAGGAATCCTGGCGGGGTTTTNCCCCCTTCTTACCCCTT
GGCCTTCCCCGGTCTTNCCCCAANAAAAATGGGGGAAATTTNCCTTNTTTAATGGTANT
TTTTAATTTATATTTTNCCTGGGCCTTCCCTTTTTTAATTTTTTTNGTNGCCGCCCN
AATANTTTTAAAGGGTNCNTNNTNNGGANTGGGGGGGAAANCCAAACCNTGNCAAANT
TGGAGGGTTCCGCCCCGGCCNCCTTTTTTTTTTTTTTAA

Sequence 2662

TTTTTTTTTTTTTTTTTTTTTTTTTTAGGGNGAGTGATAGCTTAATTAAGATTACA
ATCTATCTTCTTCANAAGGCTANAGAATGGACTGGCAATCACTAAATTTTNTTTCAGGTA
ACTGCCAACTTAAATTTGTTCTTCCAAATAAAATAATTACCCCTTCTGTGCCGCTCAA
AATACCATGCTGGAAAAAGACAGNGTTCATGATTTGCCCTATAATTCAACCCTCATNTT
TTCCGTTTTCAANAATCGGGGAAAGGGGAATTTTCATT

Sequence 2663

CGAGGCTAACAAGGAAAGCCCTGGAGCTCCTGTAATANGAATGTGGTTGGAAGATGCAA
ACTGTGGATGATCATCACCTCCATTTTCTAGGTGTCATTACAGTGATCATATAGGCTT
ATGTCTTGCTGCAGTAACTTATGTTGATGAAGATGAAATGAAATACTTGAATTATCATC
AAACAAAACATTCTTCGTATGCTGAAGATTCCAGAGGAGTGTGTTGCTGAAGAGGAATT
GCCTCACCTGCTCACCGAAAGGAATGAAGTGATGGAGGCTGGTCTCTGTCTGAAAGCAGT

Table 2

GCTCTACCAAGTCCTGGAGATGAAGGGAATTCAGTCTGTTTTGCAGAAAAGATTCTGTGG
GATTAATACAGAAGCCACCAGCAACACCAGAGGGGTGGGAGACTCCTTTC

Sequence 2664

ATANGTCGAATTGNACTCCACCGCGGTGGCGGCCGAGGTACGCGGGGCAGACACTGACCT
TCAGCGCCTNNGNTCCNGCGCCATGGCNCNTANAAAAAGTTCTTCGTTGGGGGAACTG
GAAGATGAACGGGCGGAAGCAGAGTCTGGGGGAGCTCATCGGCACTCTGAACGCGGCCAA

Sequence 2665

NATAATTATTTTACATATTATCTTCTAGTCTGTTTTATAATATTTATTTTAAATTGAAAT
CATAAACTTTTTTTTGTCTTAGCCAAAGAATGTCGGCAAACCTCTAATGGTCCTCATTC
CCACTGCACAGCATTTTCACTTTGACTTTACATACTCAGGGGAAAAGAAGGCAGCTTGGTT
GAGAACTGCAAGATCCCAAGTGCCCTGTTTTTGTCTTTTGTCTTTAGTCTTGTTTTTTGT
TTTTTGTTTTTTTGAGGAACTAATGAATAAAGCACACAAAATCTCCGAGCAGTAGCTGGC
CTTTCAGGGGCACGCTGCACAGTAGTTCTGGAGAGGACAGTATCTCAAGGGTGGATGAG
TTCCCCATTGCTCAGAGGAATCAGCCAAGGGGCCCTGCAGCGGAAGCTCCAGGCTGAGCT
GGAAC TTGAAACCAGGTCTGTCTGCCTCTGCCCTTCAAGCCAACAAGGGCATAANGCAAT
TTGCCCTCTATAAATGTAGCATCCAATTATTTACATTCTGTGCTCAGTNANAACATGA
CCCATGCTCTANAAC TNAGTGATCCCCNNGGCTGCANGGAATTTTGANTTTCAAGCCTT
NTTCGATACCGTCGACCTTGAAGGGGGGGGCCCCGGTACCCCAACTTTTT

Sequence 2666

TCCACCGCGGTGGCGGCCGAGGTACAGTTCACAATAGGGTTTGTGCTCCAATGCTAATCT
AATGCCATCGTTGATCTGACAGGAGGCTGAGCTCAGGCGGTAATGCTTTCGCTGGCTG
CTCACCTCCTGCTGTGCGGTCCCATTCCTAACAGGCCATGGACCAGTGCTGGGGTTTGG
GACTCCTGTTCTAACCAATGCTCCCTCTATTAAGGGGATTTTCACACTAGCTGATGGAA
ACACCAAGTGTTGCAAGCTCTGTGTGAGCTACAGAGATTATTCCTTTTGGGAAGTTCTT
TGCCCTGCTTTGCATAATTTCTCAAATACATGTACCTGCCCC

Sequence 2667

TTACCCACTGAGGAAATTAAGAAGGAGCCAGAGAAACCGATCGACCGNGAGAAGACATGC
CCACTGNTGCTACGGGTCTTACCACCAATAACGGCCGCTCTAGAACTAGT

Sequence 2668

GCAGCTCCACCGCNGTGGCGGCCGCCCGGGCAGGTACACAATNGTAGTTCTTTCTGGCCA
GGCATGGNCCTAAACTTTAATAAGTCAGAGACAAGCATAGGCTCAAACTACAAAGGTTA
TCCTCATCCTCCCCCAAACATGTTACAGCAAGAAAGCCTGGAGAACTCTTACCTGCTC
AGAAAGCTTCTTCACTTCTCTAGAATGGAGGCAATAGGCNCGACTCCTCTCCCTTGCCC
CGGGTGAAAGGAACATGCAGTAAGCTACACATGTCCCGCGTACCTGGGCCGCNCTAAGA
ACTAGNTGGGATCCCCCGGGCCTGGCAAGGAATTCGATTATTCAAAGCCTTATCCGAATA
ACCCGTCNGAACCTNNGAGGGGGGGGGGGCCCCGGGNNACCCCAANCCTNTTTTGGNNGC
CCCTTTTAAATTTGGAAGGGGTTTAAATTTGCCNCCGCTTTTGGGCCGGTAAATCA
ATTGGGGTNCAATAAAGCCTTGGTGTNTCCCTGGTGGTGGAATAATTTGTATTATCCC
CGCTTTACCAAAATTTCCACCAACNAACCAATTACCGANAGCCCCCGGGGAAGGCAAN
TAAAAAGNTGGTAAAAAGGCCCTGGGGGGG

Sequence 2669

ACCGCNGNGGCGGCCGAGATACCTCACAGAAGCTCTTCAGTCTATCAGTGAATTAAGAGC
TTGNAGATAAACTGGAAAAGATAATTAATGCAGTTGAGAAGCAACCCTTGTATCAAAACA
TGATTGAACGATCTGTGGTGGAAGCAGCAGTCCAGGAATGTAGTCAGTCTGTTGATGAAA
CTATAGAGCACCGTTTTCAATATCATAGGGAGCATTNGATATTCCACGCTTTGTGTCT
GCCCCGGGCGGC

Sequence 2670

CCGGGCAGGTACTATACCAATTCTCAAAGTTTGATCAGTGGGACTGAGTCACAGCTGC
CCACAGTTGTAAGCAGATCAAAAATGCACCTCAAATAGGCTTTCAGTCTTCTCCTCTTTC

Table 2

TCTCTTCCAAGCACTCCACTTATGTACCT

Sequence 2671

GGCAACCGAGGCTGCAATAGCTCCAGAACTGGCCTCCACAGTGNNTTCCTCTACGGGAGN
CAANTGGTTGTGTCACTTGACCCCTCTTGTGCTAAGAGGCAGCAGGGACCCCCATTTTC
ACTTCCGCTTCCGGTTGTCCCCCGGTACCTGCCCCGGCGGCCGCTCTAGAACTAGT

Sequence 2672

TCCCCGCGGTGGCGGCCGAGGTACGCGGGGGAAGAGCGGAAATGTCAAACGTGGAGGTGA
GCAGTCTGTGGGCGGTGGGGCTTCAGGGAAGCTTGGGCCGGACCCCTTGGGTTTAGGGC
TTTGCTGGGCGGGCCTAGTCTCCGCTGCGAGTAGGCCAGCGCCGTCGGTTCAAGAGGTA
GGACCACAGGCCAGGAATACTCCTTTACTGTTAAAAAAGCCAGGGAAAGAAAGGATTTCC
TCAATAGATATTTATTTTACACCTGTCTTATACCAGGCATGCACGGGAAAAGGTATTATC
CAAAACAATTCCGTGAGGCAAATAGTGGTAGTTCCATTTTGTAGATGTAAAAACGGAGGA
AGTTAAATGATGGGT

Sequence 2673

GCGGTGGCGGGCCCGCCCGGGCAGGTACTCCGTAACCTACGTAACACGCTACACGCATGGT
AATATCGTAGCTGGTCTGGCACCAGGAATGATGACCTCTATTGGAGACTGTGACAAAAGC
AAACCCCAACGGGAAAGAGATGCTACTGGGGATCTGCCCTGTCTTCTGAGTGTCCCTCA
GGGTGGAAATGCTGGGTCAATGGTAGCTCTACGTCCCACTTTCAGGAACTGCCTTCCCA
TTTCCGCACANCACTGCACTGTTTTTGTTCCTTGGCGATGTGTACCT

Sequence 2674

GGATGGGAAGCCGTGGGGCAAGGGAGGTTGCAGGAAGCCCATCCTTCCCCTCCTGCGGCN
NGTACCTGCCGGGCGGCCCGGGCAGGTACGCGGGGAGAGGAATTCAGAGTTNAACC
TTGAGTGCCTGCGTCCGTGAGAATTCAGCATGGAATGTCTCTACTATTTCTGCGGATTNN
TGCTCCTGGCTGCAAGATTGCCACTTGATGCCGCCAAACGATTTCATGATGTGCTGGGCA
ATGAAAGACCTCTGCTTACATGAGGGANCAATCAATTAATGGCTGGTCTTCTGATG
AAATGACTGGAATGAAAACTCTACCCANGTGTGGAAGCGG

Sequence 2675

AGGTACACCTCACAAATGATAGTGGCTGAGAGCCAAATGATGAGCTTCTCTGTGTTATGT
CTACCTAGCTGTGATTATATCAGGCACAGGATTGCGCGCGTGTGCTCTAATCCCACTGTG
TCATGCAGGATTTTACCTCGGCCTATGCCTGCCTGGCAGCAACACAGCCATGTTCTTA
CACTCCGCCCCCTAGGCCAAGGGGGTCTCTTAATGGGAACTCGTGCACATAGGGGAGCA
CCCTGGACCCATAGGCCACAGCAACAATAAGAGAGCAACAACCTACTACTAATATTCT
GCTATGCTACCTATGATTATAAGAGCCCAGTGTAGGCCANAGCCANAGACACCCACCAT
CTCTGCAGGCGGTCACTAGTAANGTATTCAATTGCCTTAATCTCCCATGACATGACACCC
CCTGCAAAGCTGCCACTATGTTCTGGTGGTTGTGAGGGATGAATGTNCCTGCCNNGGCGG
CCGCTCT

Sequence 2676

AGGTACCGTGTTTTAAGCTTAGTTCAGTCTCAAGTGTTTGCAGCCACATCTGAAGACCAA
TAAAGCAACTGCTGGTTTATCCTTTGGGAGCTGACAGAATTTCTTCTCCAAATACATAC
ACAGTAAAATCATAAGCCTTCCAACATCGTTACTGTTGCACTTTACGCAGTCAAGTGTC
AACTCCTCAGATGAGCAAGTGGTCGGCCCTAAAAAGGGCCTTTGGGATCGAAACGCGCAA
AGCTGGGGCGGCGGCCTAGCCTCCGAAGCCGTACCTGCCCG

Sequence 2677

CCGCGGTGGCGGCCGAGGTACCTGTNTCCATTGTTGCTGGCTTATGAAGATATGATGAAA
GAGAAGGACGAGCTCNATGCCTCCCTCAAGGAGGAAATGAGAATGTTTAGGATGCGAGCC
CAAGAAGTGGTGAAAGAAAATGAAGAATTGCACCAAGAGTTAAATAAGAGTNGTGCTGTT
ACCACTGAGGAATGGCGTCAGCTTNAGACTCNAGCAAACTGGTTTTANTAGGAAACAA
GTTGTTTGCTGGANCAGTTGGAGGATTCANCAAAAGGGAAAAGCCAAGGACAGCCACCAG
GGAGCCGCCTCAAGGAAAGTTTTCTAAGCTGGACNTAAACAACCTAATGCTCCCTGGGA

Table 2

GGGCAANNAACCCACCGGCCAGGGTAANAAGGAGCTGGCCGGAGCAACAGGGGAACCA
GCTTGGAGATTTTTCCGTGCCCAAATGCCCAAAGAACTNAAAACAACACTTCGGGATG
GGCAAAATCCGCAGTTGGGAAGGTTCAATAAATCAATTGGTGAATGNAATTNTCCNAAN
NTTNTNTNTNNCCNTTTNNCAAATGGTTTCTTGCCCCGGCGGGCCGCTNNTAAAAAC
TAAGTGGGGATCCCCCGGGCTTGNANNGAAATTCNTATTTTNAAGCCTTTATTNT
GGATTNCCCGNNNNACCCTNTGGAAGGGGGGGG

Sequence 2678

GGTGGCGGCCGCCCGGGCAGGTACTTNTTTTTTTTTTTTTTTTTTCCATTTTTTT
TTCCGGCCCTTGACCTTGGNTTATTGATGGCCCACTGCACACTGCCAAATGCTGTC
ACAAGAGGGGNCNCCACCACTTNTAAATCTGNGAGAGGATCAGAGGTTAACATATCATCAA
TGTAATGAAACAGGCAGACCCCTTTTGGGCATTTCCAGGCAGCTAAATCCATGGCAACAA
GACCAGGACAAATGGNGGGGCTNTGCACACAGCCCTGTGGCAGCATGGNGAAAGTCCATT
GTCATCCTTCCCACGTNAAGACAAACTTCTCCTGGCTCTNTGGAGCAATGTCAATGGANA
ANACTGCATTAGCTAAGTCCACCACAAAGNGGTNCCT

Sequence 2679

ACATGANCAAGGCTCAGCCTNNGGGAATAATTGCCNACANNACNGNGGGGAAGCCTGGGA
CCATGGNTNTGCCAGGAATCTGTGACATCTCAGGGCATATTTGAGTCCTGCCTTCTCA
AAGT

Sequence 2680

AGCTCCACCGCGGNGGCGGCCGAGGTACTCGGNGGTTACTTCTGGGAGACTTCAGGTGT
GGGTAGCNCGGCGCCGCGCCCATAGCCGGACGGGGATCTGAGCTGGCAGGATGAATGTGG
GGGTTGGCACACAGCGAAGTAAACCCCAACACCCGAGTGATGAATAGCNCAGGCATCTG
GCTGGCCTACATCATCTTGGTTAGGATTGCTGCATATGGTTTCTACTCAAGCATCCCCCT
CTTCAGCATTCTGTGGTCTGGACCCCTTGACCAACCGTCATCCCATAAACCTGGGCTTA
CGTATGTCTTCTTCATAACCGGNGGAAAAGGGGACCACCCCTTTGAGAACTCCCTGACC
AAAGGGAAAAGGCTTCGGGCNTACTTGANCANCACCTTGGGGAAGGCAAATGGGNACTAT
TGGGGCTCCCAAGTTTTACCTCTTCCCGNCAANGTTCCCTCAAGCAATCTNTCCTTATT
GGGGGCTCCTATTNTTNCCTNNGGCCCAANGCTTTCTTATTACCCAAAGGTATTGNATT
GCCTTNCNCCACCTTTTCCCTTCAATGGAAAAACAACAAAGCCCTTTNAATTNGGCTTA
AAAGNTGGTTACCCTTGGCCCCCGGGGGCGGGGGCCGCGCCTTCTTNGAAAACCTTANG
GNGGGGATTCCCCCCCCGGGGCCTGNGCNAAGGGGAAATTTTCNNAATNAATTCAAAA
GNCCTTTTNAATCCGATTACCCCTTCNNNAANCCTTCGGAAGGGGGGGG

Sequence 2681

GAATTGGAATCCACCGCGGTGGCGGCCGCCCGGGCAGGTACNCGGGGACTTCCACTCGTG
CGTGAGGCTGAGAGGAGCCGGANACGAGACCAGAGGCCGAACCTCGGGTTCTGACAAGATG
GCCGGGCTGCCCGCAGGATCATCAAGGAAACCCAGCGTTTGCTGGCAGAACCAGTTCCCT
GGCATCAAAGCCGAACCAAGATGAGAGCAACGCCCGTTATTTTCATGTGGTCATTGCTGGC
CCTCAGGGATTCCCCCTTTGAGGGGAGGGACTTTTAACTTTGAACTATTTCTTTNCAG
AAAGNAATACCCAGATGGGGCANGCCCCNTAAAGTACCCTTGGGCCCCGGCTCTTAGAAA
CTAGTGGGAATCCCCCGGGGCTGCAGGGAAATTCGATATTCAAGGCCTTTAATCCGAAT
TACCGTCCGAACCTTTGAAGGGGGGGGGGCCCGGGGTACCCCANCTTTTNGTTTC
CCTTTTA

Sequence 2682

AGCTCCACNCGCGGTGGCGGCCGCCCGGGCAGGTACGGCTTCGGAGGCTAGGCCGCCGCT
CCAGCTTTGCACGTTTCGATCCCAAAGGCCCTTTTAGGGCCGACCACTTGCTCATCTGA
GGAGTTGGACACTTGACTGCGTAAAGTGCAACAGTAACGATGTTGGAAGGTTTATGATTT
TACTGNGTATGTATTTGGGAGAAGAAATCTGTGAGCTCCCAAAGGATAAACCAGCAGTT
GCTTTATTGGTCTTCAGATGNGGCTGCAACACTTTGAGGACTGAACTAAGCTTAAACA
CGGNNCCTCGGCCCGCTCTAGAACTAGNGGGATCCCCCGGGCCTGCAGGGAATTCGAT

Table 2

ATCAAAGCCTTATCGGATACCCGTCGACCTCGGAGGGGGGGGGCCCCGGGNNCCCAAGCCT
TTTGTTCCCTTTAGTTGAGGGGTTTAAATTGGCGCCGCTTGGCCGTAATCATGGTCAAT
AGCTGGGNNNNCTGTGGTGAAAATTGGTGATCCCGCTCACCATNTNCCACACANCCAT
GACCGANGCCCGGGGANGCCAATAAAAGNGGNAAAAGCCTGGGGGTGCCCTAAATGGAAG
GGGAAGCCTTAACTTCACCATTTNAAATTGGCGGTNTGGCCGCCTCACCTGGCCCCGCTT
TTNCCCAAGGNCCGGGGGAAAAACCCTGGGTCCGGTGGCCCCAAGCCNTGGCAATTTAAA
ATNGAAAATCGGGGNCCAACCCCCCTCCGGGGGGAAG

Sequence 2683

ATANGGCGAATTGGAAGCTCCACCGCGGTGGCGGCCCCGAGGTACAAATGCAGTCAGCTTT
GGAATACGTTTGGGGTAGAAGACAAAAATGGAAGTCAATGGGATTCCAATAGCCGAGCCC
TTCCCATGTTCTTGGGACATATCCAATTCTAGCACATCCACCATTTTTAAATAAACTTAA
GTGGATTTTCAAGGGTCCCCGTGGTCCACCATTAAAAAATAAAGTTACATTAAAT
ATTTCAAAACTGGGGCTTTTTTGGCTATTTCTTTTGGGGGGGACCACCAAGGGGAAT
TGTGCAAGGAAAAGGACCATTGGGGAAGCTTATTGGCCCCCAAGGACCAAAAGGTGGCC
ATGGGGCCCATCCAAGCCTTGCCTTCTTTCAATTTTACCAAAAGGGGTACCCTTGCCCCC
GGGGGCCCGGGCCCCGCTTCTTAAGGAAACCTAAGTGGGGAATCCCCCGGGGGCCTTGCC
AAGGGAATTTNCCGAATATTCCAAGGCTTTATNCGGAATNACCCCGTGCAGACCTT
CCGGAANGGGGGGGGGGGCCCCCGGGGTACCCCCAAGCTTNTTGGTTNCCCTTTTAA
GTNGGAANGGGGTTAAATTTGGCCGCCGCCTTTGGGGGCCGTAAAATCCAATGGGGNTC
NATTAGCTTGNNTTCCCCTGGTGGTGGAAAAATGGGTNAATCCCGCTTCACCAAT
TTGCCACCCACAAACCAATTACCCGAAGCCCCGGG

Sequence 2684

GGCAGGTACAGGCCTCCAAGCCCCGTCTTGTTTTGGCGCGCNACAAAAAACTCCGANAA
NAANANNTNCNCCTTCTTGGCTANAAAAACGTTCCGCAAGCAATGCAGCTGAACTTTTCG
GGTTTTCTTTTTTTGTCCCTCTCTCTTTTTTTTTAATTTTTGTTTTTGCCGCCTTTA
CGCTCCGAGGCCATCCTGCCGGAGNACCTCGGCNCGCTCTAAGAACTAAGTGGATCCCC
CGGGCTGCAGGGAAATTCGATATCAAAGCTTATCGATACCCGTNGACCCTCGAANGGGG
GGGGCCCCGGTNACCCAAGCCTTTTTGTTCCTTTTAAATNGAGGGGTAAATTTGGCGC
CGCCTTTGGGCCGTAAATTCATGGGTCCATAAGCCTTGGTTTTTCCCCTTGGTGGTGA
AAAATTTGGTTTAAATCCCCGCNTTCAACCAAAATTTNCCCACCACCAAAACCAATTAAC
CGNAANGCCCCCGGGGAAGGCCATTAAAAAGNTNGGTNAAAAAAGCCCCCTGGGGGGGT
GGCCCCATAAATTGGAAGTTGGAAGCCTTAAACCTTCAACCAATTTNAAATTTNGGCCG
TTTTGCCGGCCTTCAACTTGGCCCCCGCTTTTTCCCAANTCCNGGNAAAAACCCTNGTC
GGTGGCCCCAANCCTTGGCAATTTAAATGGAATCCGGGGCCCCAACANCCGCCGGGGG
GAAGAAAGGCCCGGTTTTGGCGTTATT

Sequence 2685

ATTGGACTCCACCGNGGTGGCGGCCGTGCGAGCCCTCTGCCAGATCATTGATAGCACCAT
GCTGCAGGCTATTGAGCGCTACATGAAACAAGCCATTGTGGACAAGNGCCAGTGTCTC
CAGCTCTGCCCTCGTGTCTTCTTGCACCTGCTGAAGTACAGCTTTGACGTGGTCAAGCG
CTGGGTGAATGAGGCTCAGGAGGCAGCATCCAGTGATAACATCATGGNCCAGTACCT

Sequence 2686

CCGGGCAGGTACGCGGGAGGACTCCTCAGTTCACCTTCTCACAATGAGGCTCCCTGCTCA
GCTCCTGGGGCTGCTAATGCTCTGGGTCTCTGGATCCAGTGGGGATATTGNGATGACTCA
GTCTCCACTCTCCCTGTCCGACACCCCTGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAG
TCAGAGCCTCCTCCATAGTAATGGGAACAACTATTTGGTTTGGTACCTCGGCCCGCTCTA
GAACTAAGNGGATCCCCCGGGCTGCAG

Sequence 2687

AGGTACTTANAGACACATNGGTCCAGGCACACAGACTCGCCCTTGGAGAGCTCTGCTTCC
TTGTAGTGAGGAGGCACACACTTCCGGTGGCAGGCACTGGTCATTCTGTTGTACCTGCC

Table 2

G

Sequence 2688

NGGANCTCCACCGCGGTGGCCGGGCCCCCGGGGCAGGTTNCNGGGCTCATGAGGAGA
GGGAACATGCTGAGAACTGATGAAGCTGCANAACCAACCGAGGTGGCCCGAATCTTCCT
TCAGGGATATCAAGAAACCAGGACTGTGATGACTGGGAGAAGCCGGNGCTGNAATGCAAT
GGGNAGTGGTGCCATTACATTTGGGNANAAAAAATGTGGGAAATCANGTCACTTACCT
GGGNAACTTGGCCACCAANACTTGGGCCACCTGGACCAAAGAAAATTGGACTCCCCATT
TTTNGGTTGGACCTTCATTTGGAAGGACACCATTTTACCCTTGNAAAATTGGAAGCCAAG
GGTTGGAAAAAGCCCATTCANAAAAGNAATTTGGGGGGGTGGACCCCACTGTGGACCC
AACCTTTGGCCGCCAAAAGNATGGGGGGGAAGCCGCCCGGAAAATCCTTGGGCCTTTNG
GGCCGGGGAATTAATCCTTCTTTTGGACCAAAGCCACCACCCCTTGGGGGAAGGACCAA
GGTNGGAATTAATNGAAAAAGCTTAAAGGCCCTCCGGGGGCCCTTAATTTTCCCCAA
TAAGCCCCGTGGGGGGGGGTGGACTTTCCCTTGGGTGANCCCAAAGGGGCAAGGTGCC
AATTGCCATTGGTTGGGGGGGTTCCTTTTACCCTTTTCTTATTAAAAGTNGGG
TACCCTTCCGGGGCCCCGCTTCTTAAGAACTTAAGTGGGGATCCCCCCCCGG

Sequence 2689

AGGTACGCGGGACCTCATTCTTCTACCCGGTCTCTAGTAGNGCAGCTTCGGCTGGNG
TCATCGGTGTCCTTCTCCGCTGCCGCCCCCGCAAGGCTTCGCGTCATCGAGGCCATTT
CCAGCGACTTGTGCGCAGCTTTTCTATATACTTNGTNCCTCCCAACCGCAACCAATTGAC
GCCATGTGGGTTATTGAGTGACCGAGACCGCGCNCGCTCTAGAATAAGTGGATCCC
CCGGGCTGCAGGGAATTCGATNATCAAGCTTATCGATACCCGTCGACCCTCGAGGGGGG
GGCCCCGGTGCCAGCTTTTGGTTCCCTTAGTGAGGGGTNTAATTGCCGCCGCTTGGC
GTNAAATCATGGTCCATAAGCTTGTNTCCTGTGGTGAAATTGTGTATCCGGCTCACCAAT
TCCCACAACAAACCATTACCGAAGCCCGGGGAGCCATAAAAGTGTAAAAGCCCTGGGGGG
TGCCCTAAATGGAGTNGAAGCTAACTNACCATTATTTGCCGTTGCCGCTCACTTGGC
CCCGCTTTTNCAGTTCCGGGGGAAAACCTTGTGCGTGGCCCCAGCCTTGGCATTTTAA
ATGGAAATTCGGGCCCCAACCGCCGCCCGGGGAAGAAAGGCCCGGNTTTTGGCCGTTAN
TTGGGGGCCGCTTCTTCCCGCTTTCTTCCGNTTCAACTTGGACTTCCGCTTGCAGCT
TCNGGTTCTTTCCGGCTT

Sequence 2690

GGGATTTCCNCTGAGTGACCCCTNACAAGTCCTTCTTGATCCTGGACTGGGTAGGTGCCG
CTGTTGCTGCTCGTGTGAATCTAGAACCGTAGCCAGACATGGGACTGGAGGACGAGCAA
AAGATGCTTACCGAATCCGGAGATCCTGAGGAGGAGGAAGAGGAAGTAGGAGGAATTAGT
GGGATCCCCTAACAACCAAGNTGAAGAAGAGTTAATTGCCGAGCCAGTTTGNAGAAAAATT
GTGTANAAGGCCCGGGGAGCCGGCTTAGGAGCCTCTGTNGAATTGAGCCGTTGTATTCC
TTCTCGAATCCACCATAACAGGAAAGNAGGGATTTCNACCCGGGAGGGAGCTTCTTTTG
ACCTTTCTTTGCCATTGCCGAAGGGGAACCCATTGGCGGTNGGGCCCCCACCAAAACCT
TCCTTTTAAACCAAACTTTGGAAAAAATAAAATGGTTGGTNGGGACCTNTAAATTTT
CAACCCCCCAAGTTNCTTTTCAATTCAATTCTTGGGGGGCCATTCAAGAAAAATAATT
TCCCCTTAATGGGTTTTTTTGGGAATTGGTNACCCTTCNNGGGCCCCGGCCTCTTAA
GAAACCTTAAGTGGGGNATTCCC

Sequence 2691

GCGAATATGNACTCCACCGCGGTGGCAGGCCATAGGTACGTGGGGCTTCGGTGGCGGAG
CGGCGGATTAGCCTTCGCGGGGCAAAATGGAGCTCGAGGCCATGAGCAGATATACCAGCC
CAGTGAACCCAGCTGTCTTCCCCATCTGACCGTGGTGCTTTTGGCCATTGGCATGTTCT
TCACCGCCTGGTTCTTCGTTACGAGGTCACCTCTACCAAGTACCTGCCCG

Sequence 2692

GAAAGCTTATGGCCCTAAAGTCGACATATGGNCTCTGGGGATCATGGCTATTGAGATGGT
AGAAGGAGAGCCTCCATACCTCAATGAAAATCCCTTGAGGGCCTGTACTTTTCATATCT

Table 2

TTTACCAGTTGTTATCTGGAGCAGGAAGAACACCNTAAAGTCTGGATTGCTTCCTCCGG
AAAGGATTTAAATACTACCAGGGTTTTCTCTCCAATGGCCTATATTTCCNTATTTCCCGG
GGACCAGCCAAGGACAAAAGAATAAATTTTNCAGGGAAGACCCATGGGAAAAGCCAAAT
GGCCACCATAAATGGGGGCTTNTCCCCCATTGNAAAGAAGAATTTCTNGTTCAAATGGC
CTTTAAAAAGTAAGGTAATCCTTTCAAGGTGGCCTTACCAGGTTTTGGGAAAAATTATTT
TTCNTTTTNCAAAAAAAAGGGGAAGAAGAAAAATTACCTNGGATCCAAAGGCCTTNCCTA
ATGGCCCAAGNAAAAAAATTACCAAGTNNGGCCGCCAAGNAAANCCTTCTTGTCATTNC
TTTCTNTNGGGGATTGGAAAATGGTGGANTGGGAAGGTTTTTACCTTCGGGGGCCCA
ATGNCCTGGACCTCCCCCCCCGGGGATTCCAAANGGGTCCGGGGCCCCGCTTCTTAANAAA
ACTTAAGNGGGGATTCCCCCCCCGGGGNCTTGNCANNGGNAAATTTCCCAATNATTTNA
AAGNCTTNTNCGAATNANCCCCGTNCCGGAACCTCCGNANGGGGGGG

Sequence 2693

GAATTGNACTCCACCGCGGTGGCGGCCGAGGTACGCGGGTGAATAAAAAAGACATACTTCT
CAGCTGCAAATATTATGGAGAATTGGGGCACCCACAGGAATGAAGAGAGAAAAGCAGCTCC
CTAACTTCAAAACCATTTTGGTACCACTCTTTGGATGTGATAGCATTCTGTGCTGGCCTGC
GTGGCAACTATGATATTTATGATCACAAAATGTTGCCCTGTTTTGTTNCCGAAAGCTTGCC
AAAACAGGAAAGAAGAAGAAAAGGGGATTAGTTATATCAAAGCCTGAAGTGGGAATGGA
CCAAAAAGATGGGGACTCCTCCTTTATTTCCAGCATGGAGGGTTTTAAATGGGAGGGAT
TTCTTTTTTCTGCCGACCAANAACGTCTTTTACAAAACCTTACCCCTGTTTAAAGTC
AAAAATTTATTTTTNCCAAGGGAAATTTTAAATAATGGTTACCTGGCCCCGGGGCCCCG
GCCCCGCTTCTTAAGNAACCTAAGTGGGGAATCCCCCCCCGGGGCTTGGCANGGAAAAATTT
CCGATATTTCAAAGCCTTATTCGATTACCCGNCCTCGGACCTTCNGANGGGGGGGG

Sequence 2694

CATATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACGCGGNGACTNACANNN
GACGGTGGTNTNNGNGCACGNTTGTNATNAGATCNTGANTGTTNGTCCNAATGCCACACG
ACACATCAGGGTCCTGAGNCAGNTCAGANAAACCACAGAACCTATGCAANGAGTGAAGA
GAGTGAGCCAGAGAGGGGTCCAGGCCATGGTGGGGACACCCCANAACTCTGCTTCTGAGC
CCACAGCTCCCCGCGTACCTGCCCGGGCCCGCCGCTCTAGN

Sequence 2695

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGCAGAGAGCCAGGA
GGTCCAACCTGCCGTAGACAGGAAGGAATTTAAATTTGCTTGAAGACATCTTTACTTTAT
GGAGGCAGGTGGAAACCAAAGTTGAGCTAAAAATCCGTAAGATGAAGGTGACAACAAAAG
TCAACCGTCATGACAAAATCAATGGAAAGAGGAAGACCGCCAAAGAACATCTGAGGAAAC
TAAGCATGAAAGAACGTGAGCACGGAGAAAAGGAGAGGCAGGTGTCAGAGGCAGAGGAAA
AAAAAAAAAATAAAAAAAAAAAAAAGGTCCCTCGGCCGCCCGGGCAGGTACATGGCAATT
AGAAGTTGTCATGGCAAAAGAAAACACAGCTGGCCTGCCACAGCCAACACAAGAACCAG
AAAATGGTAGATGAAATGAAGGAATAAAGGNGGGGTTTATTCCTTATTATAAAAGAAAAA
AAATATTTCTTCAGCAGTCTTAACAAAGACATCAGATCAAAATTTCCAGTGTTTTGACT
CCAGCCCTTTCCCATNTTCTCAAANAGCAGAGGTAGGGAGACAGTTTGAAAGCAANCC
AAGCCANTTTTTNTTAAAAATTTCCCTTAGAAAACCCCTCCAAATTTTGATTTAAANTN
TAAANCTTCTTTTAAATTTTNGCTTTTTTTAA

Sequence 2696

AATTGGTAGCTCCACCGCGGTGGCGGCCGTTAAACATGTGTCACTGGGCAGGCGGTGCCT
CTAATACTGGTGATGCTAGAGGTGATGTTTTTGGTAAACAGGCGGGGTAAGATTTGCCGA
GTTCTTTTACTTTTTTAAACCTTTCCTTATCCCGCGTACCT

Sequence 2697

TCCGTGATGCATTGAGGCTCTGCACAACCACTACNCGCAGAAGAGCCTCTCCCTGTCCCC
GGGTAAATGAGTGCNACGGCCGCTCTAAACTAGTTGGATCCCCCGGGCNTGCAAGGGA
ATTCGATATCANAGCTTTATCGATACCGTCTGACCTCCGTAGAGGGGGGGGGCCCCGGTT

Table 2

ACCCANCCTTTTGTGTCCCTTTAGTTGGAGNGGTTTAAAATTGCCGCCGCTTGGGCCGN
TAANTCATTGGGTCATAANCNTGNTTNCCTGTTGTTGAAAAATATGTTAATCCCGCT
TCAACAATTTTTCCACAACAAACCAATACNGAANTCCCGGGGNAAGCTATTAANATGTN
NTTAAAGGCCCTTGGNGNGTTGGCCCTTNAANTTGNAGGTGGAAGCCTTANAACCTTTC
NACCAATTTAAAATTTT

Sequence 2698

AGGTACTTATTGGCACAAATTCGGGCAGCCTCCAGGGCTTCAGAGGACAGCTGCTCATAT
TCATCTGACACCATGTGGCCACAAAGCGGAACTCATCCACTTTTGCCTTTTCCGCCCC
AGGTCAAAAATGCGAATCTTGGCATCAGGGACACCTCGGCAGAAGCGAGACTTTGGGTAC
CTGCCCC

Sequence 2699

CTATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGCCCGGGCAGGTCTGAGGTTGCAT
CATAAATACAAAGGACTGAAGTTATAAAAGAGAAAAGAGAAGTTTGCTGCTAAAATGAAT
CTGAGCAATATGGAATATTTTGCCACACACAAAAAGCATCTGGCACAAATGTTTTGTT
TGGTTTGGTTGGTGTGTAAGAGAGAGGATCTTGCTATGTTTGCCAGACTGGTCTCAA
ACTCCTGGTCTCAAGTCATCCTCTCACCTTGGCCTCCCAAAGCATTAGGATTACAGGACA
TTGAGNACATCACACCCAGCNCCCAGCACAAATGTTGGAATGTTACCTCCGGCCGCTCTA
AGAACTTAGTGGGATCCCCCGGGCTTGACAGGGAATTCGAATATNAAAGCTTATCGGAT
ACCGTCGGACCCCTCGGAGGGGGGGGCCCGGTACCCAGCCTTTTGTCCCTTTTAGTNGA
GGGGTTAAATTGCCGCCGCTTGGGCGTAATCATGGGTCATTAGGCTGGTTTTCTGTTGG
TGAAAAATTGGTTATCCCGCTT

Sequence 2700

CCGGGCAGGTACCTTTGTGTCTAGTTTTAACCTTTTGATCCCAGGTCCTGCCATGACCTT
CAACATGGGGGCCAGGTCTTCAGCATAGCGGCACATAGGACCAGTGCACAGAAACAATC
CTGGGCTCCCACAGCCAAGGGAACCTGACCTTTGTTGGGAACCACACCTGGAGAAGGCTT
GTGTCCAAATATACCATTAAGAAAGCAGGCATTCGAATGCTACCACCAATATCAGAGCC
CACACCAATACTGAGCAGGCAGCTGCCAGTGTGCAGCCCTCACCACCAGAACTTCCACC
TACAATATGCTGTAAATCATATGGTGTGTTGATCGGCCATAGATCTTGTACTGGATTCT
ATACCACATACACAACTCACTACAGTTGGTTATGCCAAGAGGAATGGCACCAGCTCCCTT
CAGTAATGCCACCACAGTGGGCATCTGTTT

Sequence 2701

AATTGGAAGCTCCACCGCGGTGGCGGCCGANGTACTTGTTGTTGCTTTGTTTGGGGGGTG
TGGTGGTCTCCACTCCCGCCTTGACGGGGCTGCTATCTGCCTTCCAGGCCACTTGTACAG
GCTTCCGGGTAGAANTCACTTATGANACACACCAAGTGTGGCCTTGTTGGCTTGAAACTCC
TCAAAAGAAGGCCGGGAACANAANTGAACCCAAGGGGGCAACCTTGGGGCTTGACCTAA
GGAACGGTCANCTTGGTCCCTTCCCCCGAAAAACCCACAATGAATTTGTTGTCAAAN
CCCGCAAAANTTTACCAAGTTAATTAGTTNAAAGNCCTTTAATTCCTTTAAACCCTTGGGG
GNCCCCCACTTGAATTGGTCCCAAAGGGGGGAACTGGGGGGGNCCCCCTTGAACCTTG
GGANNCCCCGGNAAAAAAATTTTTTTTAAAGGGGATTTNCCCTTGAANGGGGNCCACC
TTCAACCTTGGGNTTTTTNTTAAAAATCAACCCCCCCCCNCCAAAGGGGGGCCCTTGGG
NCCCTNGGGCTTTTTTTTGGNTTGGGNAAACNCCCCCAAAAAANTTTTTTTTTTTTTT
GCCCAAAAAANCCCTTNCCCCCNNGGGCNGGGCCCCNTTTTTTAAAAANATAANTGGGG
ATTTCCCCCCCCGGGGCNTTTTANAGGNAAATTCNANTATTTTAAAGNCNTTTNTTNNNA
TAAACCCCGTNNGAAAAACCTTTAAAANGGGGGGG

Sequence 2702

GGAGCTCCCCGCGGTGGCGGCCGAGGTACTTCTTTTTTTTCTTTTTTCTTTTTTGGT
CATCAGCTATCGTCAGTGATTTTATGTGTGGCCCAAGACAATTCTTCTTCCAGTGTGGC
CCAGGGAAATCAAAAGATTGAACACTCCTGTGCTACGGGGTGAGAAAATCCAGGCACGAC
CTAGCAGACTCCCTAAGTTCTGGGGAGATCAAGATGGCTAGAGTTCTCAGGGCAGAATCC

Table 2

TGGTGAGGAAACAGATATATAGAGAGAACTTGTGACATCTACAGAGGCTGTCTCTCAAGT
TTTCAGCAGAATACTGACAATCACATTTCATGTGAGGAATCTTTCTGAGACTGGAGAAGGA
ACTGCTTGAAAGGAGTGAAAGGAACAATACTCAGAGTGCACATAAGCCTGGAAATACTGC
CTTNCCTCTCTACCAGATTAGAGGGTCACATAATTGGTG

Sequence 2703

CNGCCGAGGTACGCGGGAGAGACAAAAACAGAAGAGGGGAAACATGTTTCCTACTGACGA
CAGGTGATTACACGTGTGCTTCTGATGGAGGGATCAGGAAAGATAACTGCAAAGAGGTTG
TCATTACTGGTTACACGCAAGCCGAGGCCAGATCTCTTACTTAATGACTTGGGGAAGGCA
CAAAACATGAGAGAAAGTGTGTACCTGCCCG

Sequence 2704

GAGCTCCACCGCGGNTGGCGGCCCGCCAGAAANGTTTGCTGAGGGCAATCACTCCCTCGT
GCCGGGCTANNGGGAGGTTATGTACCTGCCCGGTCTTCN

Sequence 2705

CCGAGGTNCACAGCACTCAGTCAAGGATTATCCTTTGAATTAATGNCATNCAGNGNNCCT
GACCTTTCTTCACATTACATNNTGTTCTCCTGGGCAGCGTTGNGATCTTTGCCACCTTCG
TGACTTTATGCAATGCATCATGCTATTTTCATACCTAATGAGNGGAGTTCAGGNAGTAT
TCAACNCAGGGAAATGCATTGGATNCTCAACNGGGAANACAAACATCCCCAGATTANAAC
TTCGGGAGNTGGCCAGGCCTTGACNAACTTGTTGAAGCACAATGGCACTTTTGCCTTAC
CNAAAACCAGGAAAATTNTTCAATGGTTTGGCACCCCTTNGTTTATCTTACCACCCTTG
GTTGGGGTTTNAATTGGAACCAAATAAGAACCAAACCTTGCCCCAAAAGGAAATTCNTTT
CCANAGNAAAGGGGGAGNGANCTTGCCCAANGTTAATTAATCNGTNGGGTTGGGGANNAA
AGTAAANNGGAACCCCCCNANAAAAAAGAACCCCTTGTTTTCTNTGGTTCCAGNTTGA
AATTGNGGATTAAAAATTCCTTAATTGGTGCCCTTTCTTAAGNTTAANGGGCCACCCANG
GGGGNTTCCCCAAGGGGCCCANGGGCCCTTCAATTCNTTCCCTTCTGGGCCCTTT
TTAAATANGNTTCAAATGGATTTCGGTGGGTAANGCCCCATTGGCCCCCTAATNAAGGT
ANAAAAAA

Sequence 2706

GGANCTCCACCGCGGTGGCCGGCCGAGGCACCAGGCTAAGTAGGTGGTAACACTCTGACT
GGCCCTGCAGGAGNGGTGGCTCTTCCCCTGAAGACNNAGACAGGGTGGCTGGAGACTG
TGTCACACAAATTTCTCCGGTGGTATCTGGGAGCCAGAGTAGCAGGAGGAAGAGAAGCTG
AGCTGGGGCTTCCATGGTTCCCTCTGGGTCTTAAGTGAAGCAGTTCTNCCCGCTACCTG
CCCGGGCGGCCGTCTAGAACTANGTGGATCCCCCGGGCTGGCAAGGAATTCAGATATCA
AAGCNTTATCGATAACCGTCCGACCTCGAAGGGGGGGGCCCGGTACCCAG

Sequence 2707

TTGTTAATTCATAATCGCATTACAATATCATTACTGNTGTTCTTCANGGCTCGGACTG
CCTTTGCTCTCGACACATTTGCTTGTGACATGACCAATTCTATGTCCTTAATTCTACAC
CTGTTTCATCGACCTCTTCTCTTCACTCTCCTCTTGTACCTGCCGGGCGGCCGCATCT
ANAACTAGTGGGATCCCCGGGCTTGCAANGAATTCTGATATTCAAANGCTTATCGATAAC
CCGTCCGACCTCNNAGGGGGGGGGGCCCGGGTACCCCANCTTTTGTTCCTTTTAN
GTTGAGGGGTTNAAATTTGCCNCCGCCTTTGGGCGATTAATTCAATTGGGTNCATTAGGC
CTGNTTTTCCCTTGGTGGTTGGAAAAATTNGGTTAATTCCTGGCTTCCACCAAATTTCCC
NCCAACAAACCAATTACCGAAAGCCCCGGGGGGAGGCCAATTAAGGTTGGTAAAAA
GCCCCCTGGGGGGGTGCCCTAATGGAAGNTTGGAGGCCTAAACCCCCACCAATTTTAAA
TTTTGGNCGTTTGGNNGGCCTCCACNTGGCCCCCGCCTTTTNCCAAATTCGGGGGGAAA
AACCCTGNTNCGNNGGCCAAGCCTTGCAATTTAAATTGAAAATTCGGGGCCCCAACCC

Sequence 2708

GCCCGGGCAGGTACACTTGAAACCAAATTTCTAAAACCTGTTTTCTTAAAAATAGTTG
TTGTAACATTAAACATAACCTAATCAGTGTGTTCACTATGCTTCCACACTAGCCAGTCT
TCTCACACTTCTTCTGGTTCAAGTCTCAAGGCCTGACAGACAGTAAGGGCTTGGAAGAT

Table 2

TTTTTCTTTACAATTCACTCTTCANGCAACTTGGAGAGCTTCTTCATGTTGTCAAGC
AAACAGAGCCCGTATCTGCATGGTCCGTTAAGCCATAGGAGACCGGGTNTTGAATATC
TTCCCAAGTNGATAANTCCGGCTTCTAACCTGTCAGAAAGAATTGGGGNTCAAACAAA
ACANTAAATCCTTGGGGGGACATACTTGGGCNCAATCAAGGGAAGAAAAAGGGTGGTTTT
GGTCNAGTTTGGTTTTTATTAAACCCAGNATTTGGAGGGAAGGGGACAAAACCTTGGCTCT
TGCCCAANTTTCTTGGGATTTTCTTTTATTTTCAAGCCAAAACCACCTTTTTNTTTTA
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ATCCATTCAAANGGGGNTT

Sequence 2709

AGGTACCTGAGAGATGTGTCTGAGGTGGACACCAGAACCACAATCCAAGGGGAGGAGATC
AGTGCCCTATTTGTATCGCACCCACAGGGTCCACTGCCTTGTCTGGCCTGATGGGGAA
ATGAGCACAGCAAGAGCTGCCAAGCGGCTGGTATCTGCTACATCACCAGCACATTGCC
AGCTGTAGCCTTGAAGACATTGTCAATTGCAGCTCCCGAAGGCCTCCGATGTTCCAACCTC
TATTGTGCATCCAGACCTGCAGCTGAACAAACAAGTTGNATCCAGAGGGGTAAGAATCCC
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CTTAACCAAGAATCTTTNAAATCANCCCTAAAAAAGGGGGAAAAAATGCCAAATACCC
TTAATTTCCAGGAATGAACCTTCTTATTCAAGCCANCTTTCTTCTTNTGCTTGG
GAAATGNAANCCTTCTTCCCTNNGGTTTTNAAANCCTTGCNCCCGGGGCCGNNCCCGCC
TTCTTTANAAACCTAGGGTGGGATTCCCCCGGGGGCTTTGNCNANGGGAATTTTNA
ATANTTCAAAGGCTTTAATTCGGANTTACCCGGTCGGACCCNTNTGNAGGGGGGGGGGGC

Sequence 2710

CCGGGCAGGTACAACACTCTGTCCCTACAAGGGCACAGGTGCCACCTTGAGCAGCTGTGA
CTATGTCTAAGGCCATCCGGTTTTGCATCACCACCTTCTGATCTGATCAATCTCATCAA
TTAACAAAAGGAGGGCAGCTCAGGTGTAATTCATGGGCCAATCTCTGTGTTCTGCAAGG
GCTGTAACCTGCATTTCTACAGTGATGACACCTGTTCCAGGGACAGTTATTGCTAAGGGG
TAGAAACCACTAGGGGGCTCAATGCACTACCAAAAACCTGGGGAACACAGCCACCTTCCC
AAGTTATGTGTGTGACTAAAGCAATGTGGGGAAGCACAGTTGGCAGGCCACAAGAAGGCC
CANTTCCCAGGGTACCCTCGGCCGCTCTTAGAACTAAGTGGGATCCCCCGGGGCTTGCAG
GGAATTGCAATATCAAAGCTTTATNCGATACCCGTCGACCCCTCGGAGGGGGGGGGGGCC
GGTTACCCAANCTTTTTTGTCCCTT

Sequence 2711

TCCAACCACCACTGAGGCTCTCCGGGCACGAAGGAAAGGCACATCTGGCAGCCCTCGCT
AATCTCTTTGGGGACCAGAGGGCGACAACGCAGCGCCACTCTTACAGGAATTCCTTCA
CTCTTCTTCTATGATCCTATCTCAGCACCGTCTTTGGGAGATTACGCTCCATGACTTGG
CCAGGGCTGGACCGCCCGTCAGCCCTGCACTCTAAAGAGAGTGCACGGGCTTCTGAAAGG
CAAAGAAAAAATCCAACGGGGACGGCGACAAAGAACCAAGCCCTAGGG

Sequence 2712

CCTNAGGAGAAATAGAACAGCGCAGGCAAAAGAAAGAAAGGCGCGGGCTGGNGNGGAAGAG
GATTCNNACNAAATTNNNNTGNATTAGCAGCAGAGCGAGAAAGGATGATAAGAGGCAGAN
AAGGCGACGGCANAANAAAAAAGGAAAAAC

Sequence 2713

GCGAATTGGAGCTCCACCCGNGGTGGCGGCCGGGGGTAGGATGGGAAGCCGTGGGGCAAG
GGAGGTTGCAGGAAGCCCATCCTTCCCCCTCTGCGGCAGGTACCT

Sequence 2714

ACCCAGCACCGCTCTCTCAGCCTCCCCATTTCCAAGGATCAGGGGNGGATGGCTTCATTT
CTNATGACTNTNTCCCGGCANCACTGAAATTCGAATGGCAGTCANCAAGTGGCT
GATAAATGGATCATCTCATGACTAAGGTTGAAGAGTTACAGAAACATAGTGCTGGCAAT

Table 2

TCCATGCTTATTCTAGCATGTCAGTTACAATGGAAACAAGCATGATTATGAGCAACATC
CAGCGAATCATTACAGGAAAATGAAAGATTGAAGCAAGAGATCCTTGAAAAGGAGCAATTC
GGATAGAAGGAACANNAATGGACCAAGGATTAGTGGAAGTAATTGAACCGAAAATCAAGA
GGTATTGTTTGAAGCAGAGTAACCTTGATGATGGGAGGAAGAGGAACCAACTCACTTCAG
TACCAGCCCACAGGAAAACCAACAGGGCAAGAAGTAATTGGCATGCTGGAACAAGAAG
AAAGGCCCAAGGGTTGACAGGANGAGTTAAGCAGCGGCCCACTGCACAGGGTCTCTCATC
TTGCAGCTGAAAATGGACTGGCTCACCCAAAAAAG

Sequence 2715

TACCTCCACCGCGGTGGCGGCCCGCCGGGCAGGTACCTCTGTGGAAATCCCTTCCTTCC
AGAAGCCTCCACTCACTTCTGATGCCAAGGAGCTTCTGCGGCGCCCTGCACGCACCTTTA
CAGATGCAGGTGGCTGTTTCTGTGTCCCCCGCT

Sequence 2716

GAAAATCCACAAGCACAGAATANAGGAGATCTCANAGGAGCCTGACTATTTNTNAAACCT
GCAGAACGGCTGCCTAATTTACAGCAACCATGAGGCCACTTAAGGATGCAGCAAGAAGGA
GCCATCTGCAANTCCAGGAAGAAATTCCTTGCCAGGAACCAAATGGNTTGTACCTTCA
TCTTANGACTTTNTAGCCTCGAANAACCTACCAAATGGGTGATTGATCATTANGTCAAG
GGANTAGGTCTTGGCAGNCAATTTGGAGCATTGNTCAACTTTTACCATTGGGGGAGNTT
ATCCCATTTTGAATTGACCGAATTGAAAAATGCCCTTGATTTTANGGAAAAAACAGGAA
GNTCTTGGGAATCANGATTTGGAAATTTCCCTTAGGACAACCCAAATANCCANTTGNITGG
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AGGGCCCAAGTAAATGGAGGGAA

Sequence 2717

TCGTGGTGGCGGCCCGCCCGGCAGAGTACCATGTGAAAGAAGTTTTTCTATCATGGANG
GNNAGGTTCAATTATACACANNGTANTNATTAGCANTCCTTCCAAAGAAATCCGTAATAT
TTGGATTGGCGCCATTTTGCAGCANGAAGAGTTGCACAAGCCTCCTGCCTCAGTTGTAC
CTN

Sequence 2718

TTTTTTTTTTTTTTTTTTTTTTTTAAGGGGCTTTAGTCAGGGCCTTTTGTTTTACAAG
GAAATGGCAATTACNACTGGTTTTGATAAGGATGCTCTGACANAATCTTTTTNTTCATGG
GACTGCTTTTCATGATGCANCACCTTGCAAGTATTTCTCTTTCTTTGAAATCACTGGTATT
GCCCTTTATTAANCCACTTGCCCTTATTNTTATTTAGGAATTACTATGTTACCAAAGTT
TCANAATNTTNCANACTGAAAGAGCCNTGAAT

Sequence 2719

ACCGNGGTGGCGGCCGAGGTACGCGGGGATGTGAATCACTTTACCATNACTGGCATGTTA
ATAANGGAGGTGGTCTTACAAANAATGNTTNGGTTAGTTCTACTATAAGGATCCATGT
TTTCTGAGGTCTGAAGTTTTTACATATGGGTAGGCTTTCTATAAGTGGGTATGAAAGGAA
ATATTTTGCTAGACGAGGTGGCCCATGCCTGTAATCCCAGTACCTGCCCGGGCGGCCCGC
TCTTAGAACTAGTGGGATCCCCCGGGCCTGCAGGNAATTTCCGATATCAAGCTTATCGA
TACCCGTCGGACCTCNAAGGGGGGGGGCCCGGGTTACCCAAGCTTTTTTGTTCCTTTA
NTNGAGGGGTTTAAATTTGCCGCGCTTGGGCGTAATTCATGGTCATAGCTGTTTCCCTGT
GGTGAAATTTGTTATCCCGCTTCACAAATTTTACAACAACANTANCGGAGCCGGGGAGCC
ATTAAGGTGTAANNCCTGG

Sequence 2720

CCACCGCGGTGGCGGCCGAGGTACCTGANAACTGGACTATCCACACCTGGATTAGGCAG
NGTCTAAAATATGATGCACAAGACAAAGCCCTATATACCTTGTAATAAGGTTCAATAT
GGAATTTTCCAGATAACTTTACATTCAATTTACTGATGGATTCTTTCATAAGAAAGAA
AATTACAAAGATGCTTATCTGTGGTTTTTGAGGTCATGATGCAAGAAGCCTTTGAAGTG
CCTTCCACCCAACCTTCTCCCTCTATGGTTTTATTTCAATTTGCCTGGCAAAGGAAGACA
GGACTTCAGTTNGGGGAAAGGAGGAGGAGGNAACTTTGGGTGCCATCCCTTTTGGCTTGC

Table 2

CAGGCCTAAAGAACAAANAAGGAACCTTCAAGTGGGGTTTTCAANNNTCCCAGTTTTGTAA
TGGGCTATTGCACTTTCTTGGGGGAAAAGGGTGGGAGTTTGCAAGCCAAAGGGNCTACC
GGGGGCCTGNGGTTACCCCTTGCCCCGGGGCCGGGCCCGNNTCCTTAAGAAAAGTTAAG
GTGGGAATCCCCCCCCGGGGGCCTTGNCAANGGNAATTTCCCGATNATTCCAAANGNCT
TTTATTCCGGANTAACCCCGTGNCNGACCCTTCGNAAGGGGGGGGGGGCCCCCGG

Sequence 2721

ATGCCTTTCTTGGACATCCAGAAAAGGTTCGGCCTTAACATATATCGATGGTTGACAATC
CAGANTGGTGAACAGCCCTACAAGATGGCTGGTCGATGCCATGCTTTTGAAAAAGAATGG
ATAGAATGTGCACATGGAATCGGTTNACTCNGGCAGAAGAAAGGAGTGCCAAGATAAGA
ATATGGANGATTTCGTTANNAAGTGTTTTGCTTTCCGCNGGAAAAACCGATTGTAGGAC
TGTGGCAAGGNTAACCCCTCGGGCCCGGCTTCNTAGGANNCTTAAGTGGGGATTCCCCC
CCGGGGGCCTGG

Sequence 2722

CACTTAGTACTCATTTTTTCGGCAAATGGTTTGAATCCTTACTGGCTTGACACTGCTTTTCG
NTAATTCCTAAAGCAGATGCACTATGGACANGAATCCACCAATATTATGCTGTGAACCTC
TGTCAGGACCGGAAGTGGCTGCCAGATTCTTGAGGTGGATTACAANGGAGCTTGAAAGCC
CCCGGCNTACCTTCGGCCGCNTCCTAGTAACTANGTTGGATCCCCCGGGGCTTGCAAGGN
AATTCGAATATTCAAAGNGTTATTGNAATTACCCGTTCCGACCNTTCGGAGGGGGGGGG
GG

Sequence 2723

CGGACCACTCAGAGTATTGGTATCTTGTTGGCCTGGTATCAGCANAAACCAGGGAAAGCC
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CAGCCGGCAGTGGGATCCGGGGACAAGAAATCAACTCTTACCATCACCAACCTGGCAA
GCCTGATGGATTTTTGCAAACCTTATTACTTGGCCCAACAAATATATAAAGGTTCTTTC
TTCCACTCACCTTTTCGGCCAAAGGGGACCCGACTNGGAAGAATTTAAACCAGAACTT
GTGGCTTGGCACCATTTCTGGTCTTNCATTNCTTTTCCCCCGCCCATTTTTGATTGAAGC
CAGTTTTGAAAAATCTTNGGAAACCTGGCCCTCTTGTTTGNCTGGTGGCCCTGGCCTGG
AAANTAAACCTTTCTTATTCCTCAAGNAGGAGGGGGCCAAAAAGTTAACCTGGCCCCCG
GGGCCCCGGGNCGGNTTCTAAAAAACCTNNNNNTGGGGATTTCCTCCCCCNGGGNCTTGG
CNGGGGAAAATTTCCGAATNTTTCTNAAGCCTTANTTCNGAATNACCCCGTCCGACC
CTTTCTAANGGGGGGGGG

Sequence 2724

AGGTACCAATACAAATAGGTCTTTCCATCACTATGCAGGAGGCTCTGACTAGACTTGCAG
GAGATGGAGGCCGGCTGTCCAGGGGTGACGGACAGAGAGAGTGGAGTCTGGGTATCACA
ATATCTGCACTGGATCCAGGTATCCAGAGCATTAGCAGCACCCCTGACGCTGAGCAAAGCA
GACTACGAGAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCC
GTCACAAAGAGCTTCAACAGGGGAGAGTTGTTAGAGGGGAGAAAGTGCCCCCCCCCGCGG
TACCTTGCCCCGGGGCCGGCCGCTCTTAGAACTAGTGGGATCCCCCGGGCTGCAAGGAAAT
TCCGATATCAAAGCTTATCCGATTACCCGTNCGACCCTTCGAGGGGGGGGGCCCCGGTAC
CCCAAGCCTTTTTTGGTTTCCCTTTTAAGTTGGAGGGGTTAAATTTGCGCCGCTTTTG
GGCCGTAAATTCATTGGGGTCCATTAAGCCTGGNATTTTCCCTTGTTGTTGNAAAAAT
TTGGTTAATTNCCCGCNTTCAACAAAATTTCCANCAACAAAACCATANCNANGCCCG
GGGGAAGCCATTAAAAAGNTGGTTAAAAAGGCCCTGGGGGGGG

Sequence 2725

AGGGCGATGAGGACTATTGATGATGGCGGNCAGGATAGTTCAGACGGTTTCTATNTTCCT
GAGCCGTCTGATATGTTAGTATTAGTTAGTCCTTGTTNGNGANANGTTAGGAAAAGGGGC
NTTACAANGACNTAGGGGAAGCAGATAAGGNAAAATGATTATNGAGTGGCCNNTGATCANT
GAAAGGGNGGATAANGCTCTTCTATTGATTAGNGGAAGGTAGCNGTNTTGTAAATACC
CNTACTTTGCCCGCCTGCCATTGGTNCCATTNCCCGCGGTTACCCTGGCCCCNGGGGNC

Table 2

NGGNCCCCGNTTCTTAANGAAACCTAAGTTGGGGNATCCCCNCCCCGNGGGCCTTGNCAG
GGGAAATTTTCGGATTATTTCAAAGCCTTTNATTNTGANTTTNCCCCGTTCCNTANCCC
NTCAAANGGGGGGGGGCCCCGGGGTACCCCCAA

Sequence 2726

ACCGGGACATCCGGCTGATGGTCATGGANATCCGCAATGCTTATGCTGTGTTATATGACA
TCATCCTGAAGAACTTCGAGAAGCTCAAGAAGCCCAGGGGAGAAACAAAGGGAATGATCT
ATTGAGAGCCCTCTCTCCATTCTGTGATGAAGTACGCGGGGAATCAANAATTTTGGCCG
TGCAACCTGGGGANNAGCTTAGGCCTAAAGTTTGGTCATTGATGCCAGAAAGCTACTTCA
ANATNGCANTTNCGGCTTTGGTCCTGGCTCTTGGCCCCCTNATCCCTTGGTTTTCTGGGAA
ANTCCCTCCAGTTCAAAGGGTTATCCCTACCGNCGGGNATGAAGCNCAGNGGTTACCCCT
CNGGGCCCCGNNTTCTTANAACCTTAGGTTGGGATCCCCCCCCGGGGGCTTGCCANGGAAAT
TTCNGATTATTCAAAGGCCTTTATTNCGAATANCCCCGTTCCGACCCCTNCGTTAGGGGGG
GGGGGC

Sequence 2727

AGGGCGAATTGGACTCCACCGCGGTGGCGGCCGGGCAACCGAGGCTGCAATAGCTCCAGA
ACTGGCCTCCACAGTGTCTTCCTCTACGGGAGTCAGCTGGTTGTGTCACTTGACCCCTCT
TGTTGCTAAGAGCAGCAGGGACACCCATTTTCACTTCCGCTTCCGGTTGTCCCCCGCGT

Sequence 2728

GGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACAGGTGTAGAAGACAGTTTGGCCT
TCATCGGCTGAACGCATCTGTCTGGTGTGGTATGCCATTCCCTCATGACCACATCGAGGG
CAGCGCCTGTCAACCACAGGTCCCTGGCACTCAGGCCCTTCTCCACCGACATAGGCATG
GCTGTCCCCAGTTGGTGGAACACAACCGAAGTCTTACAACCTTCCCCCTCAAAGTCCCGA
ACGTTTGATGTTGAAGCCACAGCGAATACAGGTGACCCGTATCCTTGAGCCCCGGGCAAG
AGGCAGGACCCGAGCCCGCAATCTTGAACAAGAAATCCAGGTCCCGACTTGAAAAGCT
GGGAAGCAAGTTATTGGCGAAGGGTCCCATGNACAAGACATGCGGGTCGGGGTCTTTTTG
CGACCAAAGGAAGCCGGAAACGCCCGGNAATTTCCCAAGACAGCGTTTCGGGGTTACCN
TGCCCCCGGGGCCGGCGCTTCTAAGAACTTAAGTNGGGATCCCCCGGGGCTTGCA
GGGAAATTTCCGATTNTTCAAAGCCTTTATTCCGATTACCCCGTTTCAACCCCTNCAANG
GGGGGGGGGGCCCCCGGGGTACCCCCANGCCTTTTTTNTT

Sequence 2729

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAATGATTGAAACATTTTATTAA
TTCTAATATTTCTGAGAACCCTACTGTGTTCTAGGAACACATAGTTACACAGATGATGTA
TGAATGAGACAAAATCTGTATCTNTAGTTGCGCCAAAAGCAGTAATTTCTAAGGTATGT
GTGGTGGGGAAAGGGTGTCTGAGGAGAGGGAGATGGGGAACANAATCACTTGAGAGTGA
GGATTGTTCCAATTAATTAACATGCCACACAAGATNTGCCATNTCCACATCAAGAAT
CATTGCTTTAATATAGATTGATGAATTGATGACGTTAATGAGTTGATGACTGTCTCCAG
GTACCTGCCCCG

Sequence 2730

GGGACCGNGCGGNAGCGCAAGCCATCTTACAAGAGTCTCAACAACCCAGGAGCCGCAGG
GAGAAACCCGGCAGAAACCCGGGAGGAACCCGGCTCTGAGTTTCCGAGACAGCCCGCTT
TCCCCCGCGTACCT

Sequence 2731

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTGTTTTTTGAAGTTCTCAGGANA
CCGCGTATTCTTAGATTAGCCGCCGAAGCCATACAGAGTGCGCCCTGACGTTTTAGGG
CATATACTACATCCATGGCTGTGACAGTTTTCGCTTGGCGTGCTCCGTATAGGTGACGG
CGTCTCGAATAACGTTCTNTAAGAAAACCTTAAGCNCACCTCGAGTCTCCTCATAGATAA
GACCGGAAATGCCGCTTGACGCCACCCGCGCCGAGCCAAACGGNGAAATAGCCGGTTTTG
TAATGCCCTGGATGTTATCCCGGGAGCCACCCCTTACGATGGCGCTTTAAACACCCAACC
CTTTTCCCCCAAANCNTTTTTTCCCGCCTTTTTGCNCGCGGACCCAGGACCATTGAATT

Table 2

TCCCTAATTTCGGCAAGTTCCCCCGGCGGTACCCTTTGGGGCCCGGTTNTTATAAACT
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TTATTTTNGAATNACCCCGTNCGGAACCTTTNGNAAGGGGGGGGGGGGGCCCCCGGGNT
NCCCCCAAGCCTTTTTTTG

Sequence 2732

GTANCTCCACCGCGGNGGCGGCCGCCCGGGCAGGTNCGCGGGGGCTGAATAAAGCCGTGT
CTCATCTACCTGCTGTCTCCCAAGTGTCTTCCAGCTCCCTGCCCCCTCATCAACCCACTC
TCCTCAGACCTCAGCTGGGGCTTGAACCTGATAATTGGTGTANTCACCAGGATGAGATTT
AGAAGTGGTGGTGCCCCCTCTTGTGACAGCATTTGGCAGTGTGCAATTGGGCCATCAATAA
ATCCAAGGTCCAAGGGCCGGAANTGTCTGCCAAATCTTGGGAGTTATTTTGCTTCAAGC
CCACAGGTTGGGCATGCTCCAACAACATTGGTGGGACCTGGGCCTCACACCCTATTGCCT
TGAGNGTGGGCCAAATGTTCTTCCCAACTGTNGNAATCTNGCCACCAACCCCTTTCCAA
GCCANCAAACTTGTTGGGAATGGGGCCTTT

Sequence 2733

CCAAAGCTACGCCGACCAATCCAAGTAGCGAAAGTCGCTTTGGCCCTGGCCCGTTACCTC
CGCGTCTGGGAAGTATCAGCCTTTACCAGCTACCGGAAGTAACTGCGCACGAAATCTCC
CGCGGGAGCTAAGCCTCTTCGACAAGAATTCTATAGCGCGAGCAAATCAGCATCTCGCCC
CCGCGTACCT

Sequence 2734

CGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACCTCACAAATGATAGTGGCTGAGA
GCCAAATGATGAGCTTCTCTGTGTATGTCTACCTAGCTGTGATTATATCAGGCACAGGA
TTGCGCGCGTGTGCTCTAATCCCACTGTGTCATGCAGGATTTTACCTCGGCCTATGCCT
GCCTGGCAGCAACACAGCCATGTTCTTACACTCCGCCCCCTAGGCCAAGGGGGTCTCT
TAATGGGAACTCGTGCACATAGGGGAGCACCTGGACCCATAGGCCACAGCAACAATAAA
GAGAGCAACAACCTACTACTAATATTCTGCTATGCTACCTATGATTATAAGAGCCCAGT
GTAGGCCAGAGCCCAGAGACACCCACCATCTCTGCAGGCGGTATCAGTAAGGTATTCAA
TTGCCTTAATCTCCCATGACATGACACCCCTGCAA

Sequence 2735

TTCACACCTGCTTNTCCTCGGTNCACTTTTGGCTCTGCAACCANTTTAATATNTAAAACC
TGGCCAGCAATCATTCTGCCATCCTCTCCTGCTACAGCAGCCCGGGCATTCTCTCATTA
ACATACTGAACGAAGGCAAANCCCTTATGAACAGAGCAGCCACAAATTTGCCATACTTC
GAAAAGATTGCCTCCACATCAGATTTCTTGGACCACCAAGAGTGTGNAGGATTTCCAA
TGGAATACACGGGGGANTTCAATGGGANNCGGAGGGATCTGTCTTNGTTTGGTAACCGT
TTGCTTGGCCCATCNGGTGTTTTNGATNGGTTAANNNGTTTCTCACAAAAGGCCGNAAA
AAACTTNTTTACCCAATCAACCCCAAGGGAAAGGGGTTGTTGGCCAATNCNTGGTTNC
CCGAAAANGGCCCCCCCCCTTGGGGCTTCCCAAGGGNTCCAATTNCCCTGGGGCCTTN
GCNTTGGGCCTGGCTTCCCAANGGCTTGGGGGGCCAATTCCCCATTGGTTTTGGNCTT
GGCNAACNCCTTTTGGTAGGGTTTTNTGGTNGAAAGGGGGGTNAANNNTGGTAACCCNT
TGCCCCNNGGGGGCCGGGGNCCCGCTTCNTNATGAACTTAAGNTGGGGGATTCCCCC
CCGGGGGCCTTGGGCCANGGGAATTTTCCNAATTATNCANAAGCCTTTTATTNGAATT
ACCCCGNNCCGGACNCCTCTGAAGGGGGGGGGGGGGCCCCCGGT

Sequence 2736

CCCTTAGCGTGGTTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTGGCTGCACAGCTTTAA
AAAGTTGAAGTCTATTGAAACCTTCTTATAAGAAACCTTCTAGTCAGAGAATTCAATT
TTCTTCTTTTCTTCATTCATGAAAATGCAGATCCACTGAGAAAGGGAATAAGGTAAAAGT
ATCATTTTCTTTGGGAATCAGGTTTTTCTGTGTCAGAGGAATAAAGGCCTTTCTTTCCAGG
TCAATTCCTGTTGTGCTGAAGGCTGGGAATCATCACGCCCTTTTGGTGTGGGGCCCCAGCT
TTGAGCCTCTGTGATGATGGTAGAATCTGGAAGTCAGAAGCCCATATCCTAGATCAGCTG
CCTTGCTGGGCTGACCTTCAGTGTGATCCTGCATCCCAAACTCCTGACCTCTCCAGAGAA

Table 2

CTTGGGGTGTCTCCCAAGATGCTGGGCCTCTGGGAAGCATCTTCTTAAGGTGAACAGCC
CCAANATGCCTCTTCTTAAGTTGGGCTAAGTTACTCCATGCTGACTATCAACCCCCAAGT
GTGAAAAACACGTTTATTNCTGANGGGAACACCGGAGTTGTNCCTAACTCTACCTTTG
CTTCTTAANAACACCTTTGCTTTTGGTTGGAAATGNAAAATTTCAAGTAAAGGGGTTNGG
GTTTTTTTCCG

Sequence 2737

CCCTTAGCGTGGTCGCGGCCGAGGTACCAACATGCTTTACCATGCTGCAAAATTTAGGAT
CCTGTGGCTGAAATATTTTGTAAAGAAATGATGCATCCTGAATTTATCATTGAATTTCAAG
TCTTGAATAAGTAAATTCACATTTCTTGTGTTTGGCATAGAAGTGTTAGCTGATTAA
GTTTTTGGCACTTGTGTTTGCATTTCTCTGAGAGGGCACTAATGTATGAGAGAAGGTAA
CCGAACCTTCTAAGGGAAAGGAAAGTTAAGGAGGCAGGAAAAGCATCTATAGCTCTGTTT
TCGGGATTTAAGAGTATAGGTTCTGGAGGCAGACTGCTCAGCAGACTGGAGCCAGGTCCC
AAGTCTGGCTTTGCCTGTCACTAGCTGTGTGAGCTCTGCCTTAGTGAGTCTCAGTTTTCT
CATCTGTCAAATGGAGGTGACGAGGGCTGTGGTGAGGATCAAGTGAAAAATTCACAAGGA
GCCCTTAGCCCACTGCTGGCGCTTAGTAAATATTCAACAAATGTTATTAGCAATTTGCT
GTCTGTAAGGACACCTNTACAGCTACTCANNAATATTCTGAGAGCTAGTGGGTTCTTTGG
CTAAGG

Sequence 2738

CCCTTTCNAGCGGCCGCCCGGGCNGGTACTGAGCTCCACAAACGTGGCCATGGTTGGTGC
NGAAATGATTCTGAGTGAGCANGTAGAAGTCTCACGTCCTGCTGTGTCCAGAGTTGGTTC
CTCCANAGGGTTNGTGGTCTCNCTNGCTTCAANAATGAAGCCGTGGACCTTCACANTGT
GTGTTACAGCTGTTAAAGATGTTGTGTCTGGAGTTTGNTCCTTCANATGTGTCTGGAGTT
TC

Sequence 2739

CCCTTAGCGTGGTCGCGGCCCGAGGTACTTTTTTTTTTTTTTTTTTGTGATAAGAT
AATGCAGAACAGAGAGATGGCTACAGCCATGCAGATGAGAAGAAGAAAAGAAATTTCAA
TCTTGATGTTTCTTTGCCCTAAGGCTTGAGGACAGGGAACAAAAATGAGAAACACT
TACCCTATATAAAGCACCCAGTTTACGAGGCCTGTGCGGAACAGAAATGACTCCTGAGGA
AAGGTGGGGGCCGGTCTGAATAGTTGATTTCTCTCTTTAATGAAAAAGAACATGAGGCC
GGATGCGGTGGCTCACGCCTGTGATCCCAACACTTTGGGAGGCCGAGCAGGTGGATTGCT
TTAAGCTCAAGGAGTTCAAGGACCAGTCTGGGCAACTTGGGTGAAAACCCCGCCTNTAC
AAAAAATACAAAAAA

Sequence 2740

GATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCCGAGGTACTCTGCGTTGTTACCA
CTGCTTCCCGCGTACACATTACTTACACAACTGTTTTGATTTGTCCCTTACTGAAACT
GTCCTTATGCTTAATCATTTTTGTCTTTCTTCATATCTATTAGTTTCTCTCTAATTGCT
TTGATCTGATTTTTAGCTACATTCAGTGTATTTTCTTAAGCCTTTCTTGATTTTGAA
GTGTCCATTTTGTTCCTCACTCTCTCGTTTTTGTATATTATTTATCTTTAGTTTTT
ATATATTAAGTTTTATCTTTAAGTTTTTAAGTTTTCTAATTTTTAAATTAAGTTCCAGCA
TGTGGGTATATAATTTTAATTTTAACTTATGCCCCCAATGGATTACTTAAATTATTC
TTTTCTGAGAATTTACAAGAATTTAATTATAATCTCTATTTTGGTATTAATAAGATTGG
ATGGGCATAAATTAAGGTGTTATTTTTTTCATGAAAAAGTTAGAAAATTAACCTTT
CTTTGGCTTATACTAATTCAAATTTTTGGGTTCTTT

Sequence 2741

CCCTTAGCGTGGTCGCGGCCGAGGTACTGGGGGGATGCACTTGAGTGCCATTTCTGATAC
TGTCATTGTATGACTGCTGATGCTCGTTTATGTTGTTCTTTGGAAGCTATAGTGAGCCTG
ATGTTTTACATTTTAAAAAATGCTTCCTGAGACTTCTTTAAGCTCCTCTAATCTCTC
AGTGCAATTTGGGATCAAACTTAGCTCTTAGATCAGCAAACCTGACTTGCTTCTACTTTTG
CAATTTTTCAGGCCCTTACCATATTTCTATCTGTCTTCCACCTGATAGGAAAATCTT

Table 2

GCAGATTGAAACAGTGGTTTCTGGCCTGCTGCTGCAGCAAATCCCTATGTTTATTTAA
GAAGTCGGGCCTATGCTTTTAACCTACAAATGATGAGTAATTTACTTGCAATGAACACAG
GTAGCCTGCTGCTGTTTATAACCTGTTGAGGATATTTATAGCAGGCAGGAGGCAGGCCTA
GTGTGTTATTGACAGGTGACTTTAGAGAATGTCATTGGCCNGGTGCGGTGGCTCACGCCT
GTNATCCCAAGCACTTTGGGAAGCCGAGCGGCCGATCATGAAGTCAAGAGAATGAGACC
ATCTNCTGGCTAACACNGTGAAACCCCGTCTTTTACTTAAAAATCCAAAAAAAAAAAAA

Sequence 2742

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGACCTGCTGTGCTCTTGCTTGACAGTG
TCCTGGAGCTGGACCTGGCTCTGGGTTTCCAGGAAGCAGTTTGAATAAGGCAGCAAGCT
GCTTCCTCTGCTGCCTGAGATACCAGAACCATACAGAAAGACATGCAAAGCACACCAAT
TGTCTACAGCTTAAGATCAACAAAAATCCTTTTTTATTAAATTACAGAGAATA
TAAACAATGATCCTTATTATCCCTTTTACTGGCTCACACAGGGAGAGAGAAGCCAAAAGC
CCAACTGATTCCCAATGGTGAAGATTGAGAAAAACGCTCCACGATGGAAAAAAGCCAG
AACTGTTTAAACATCATGGAAGTAGATGGAGTCCCTACGTTGATATTATCAAAGAATGGT
GGGAAAAAGTATGTAATTTCCAAGCCAAGCCTGATGATCTTATTCTGGCAACTT

Sequence 2743

CCCTTAGCGTGGTCGCGGCCGAGGTACTGAGCTCCACAAACGTGGCCATGGTTGGTGCGG
AAATGATTCTGAGTGAGCAGGTAGAAGTCTCACGTCCTGCTGTGTCCAGAGTTGGTTCCT
TCCAGAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTCACAGTGTGT
GTTACAGCTGTAAAGATGTTGTGTCTGGAGTTTGTTCCTTCAGATGTGTCTGGAGTTTC
TCCCTTCTGGTGGGTTTGTGGTGTGCTGACTTCAAGAATGAAGCCGCAGACAGTCGTGG
TGATCGTTGAGCTCTTAAAGGTGGTGTGGACCCAAAGAGTGAGCAGCAACAAGATTTTT
CGTCAAGAGGGTAAANAACA

Sequence 2744

CCCTTAGCGGGCCCGCCGGGCAGGTACAGTTTTGACAGAAGGCACACATTTTATTTCTA
AATTTCTGTTAAACAGGATCCTCCAGTTTGAAGTCCGTTACTTTTTGCAATGGTGAGT
TGGAGACAGTAGAGAAAGTTTTGCAGCGTTAAGTATGATGTCACAATTAAAGGTTATAAA
AAGCAAATGTGAAGGTCTTTGTAAGAAGTGGTTCAGTGGGCGTGAGTTGAATTTACA
AATTAAGCTTTTTGAAATTAATGCTAAATATCAACTATAAAACATTTTTCCCTGGAAAGA
AAAAAAGTATATCTTACTTCTGCANCATATTTCTTTTTATCCACAGGTATGCTCTTGA
ACCTTGTCATCAAGTGAACCCAGTGAAAGTGAAACTGAATCAATCTTGAAGTGCCAT
CCAGGGGTCC

Sequence 2745

CCCTTTGAGCGGGCCCGCCGGGCAGGTACAATTTTAGGGGACATAAAATTTATAAGACCA
CGTCTTGACTCTCAAGGGACTCAGTCCACTTGGGAGCATGTGGCAATGCACTGGAGAGTT
TTTCAAAGGGCCCAAATTCTGCCTCATCATTTCTTTTATACAGATGTTGATAAAGAATT
TTCCTCTGAAAACCTACCTTGCTGGATCATAGAAGTCCATGGCTTTTTTGGCTTTGTGT
AGGCAGCCACTCGGAATGGAATGATTCCACAGAGGTGAGGCCAGGGGCCATGCTCAAGA
CCTTGCCCCCATGAGTGGGTTCATACAGATCCTTCTTGGTTTCAGGATGGGGCATTCTTG
CAGGGTCCCTCCCCACAATGTAGAAATTGGCACCCGCAATCATCCGGGACCTGCAGTGCC
ACTGGACCTAGAAAATGTCATAAGGGACA

Sequence 2746

GATATCTGCAGAATTGCCCCCTAGCGTGGTCGCGGCCCGAGGTACGCGGGGACCTGCTGT
GCTCTTGCTTGACAGTGTCTTGAGCTGGACCTGGCTCTGGGTTTCCAGGAAGCAGTTT
GACTAAAGGCAAGCAAGCTGCTTCCTCTGCTGCCTGAGATACCAGAACCATACAGAAAGA
CATGCAAAGCACACCAAATTTGTCTACAGCTTAAGATCAACAAAAATCCTTTTTTATTAA
TATAAATTCACAGAGAATATAACAATGATCCTTATTATCCCTTTTACTGGCTCACACAG
GGAGAGAGAAGCCAGAAGCCCAACTGATCCCAATGGCGAAGATTGAGAAAAACGCTCCC
CGATGGAAAAAAGGCCAGAAGTGTAAACATCATGGAAGTAGATGGAGTCCCTACGTTG

Table 2

ATATTATCAAAAGAATGGTGGGGAAAA

Sequence 2747

AGAATTCGCCCTTAGCGGCCGCCGGGCAGGTAAGTCTGAGCTCCACAAACGTGGCCATGGTT
GGTGGCGAAATGATTCTGAGTGAGCAGGTNGAAGTCTCACGTCCTGCTGTGTCCAGAGTT
GGTTCCCTCCAGAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTCAC
AAGTGTGTGTTACAAGCTGTAAAGATGTTGTGTCTGGAGTTTGTTCCTTCAGATGTGTC
TGGAGTTTCTCCCTTCTGGTGGGTTTGTGGTGTGCTGACTTCAAGAATGAACCCGCAA
CTGTCCGTGGTGATCGTTGTAACCTTAAAGG

Sequence 2748

CCCTTAGCGTGGTCGCGGCCCGAGGTAAGTCTGAGTCAAGGATCCAGTGCTGC
CAGGAACCAGCAGTCAGCTGCGCCTCCTTGTGGATGTCAAATCTTGCTTATATCATCCA
GGATGAAGTGAGGAGGACCCCTGGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGA
GGCGTTTTTCTGGAGCAGCTTCTGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCAT
CCTTAAACGTCCCGGCCCATGTTCAAGGTAGTCCCGCAAGGTGGGTAAAGTCTGGTC
TTTGAACCTGATGATGGAGGTCTNCACTGAAGCCTCCTGGTAATACGCCATGACTCTCCT
TAAAGACTTCCGAGTCCTTTCTGTTCTTAGGCAGGTGTGTTCTGATGGAG

Sequence 2749

CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTTCGAGCGGCCGCCCGGGCAGGTAC
ACACTATGATTGCACAACAACGCATTACCTATTGACGCATTTCTCAGAACACAGCCTCA
TTGTTAAGTGACACACGACTGTATTTAGTTGGCCGTGAGTTTTGCTGAGAGCTAAACAG
CTTCCATTGAGGGTTCTGCCATCTACCTAGGGGCGAGTTGAACTAGGAAGTCCCAAGATC
TCTTCTGTAAACCTTCTATGACGTTTTCTGTCTTGGGCAGACAAGCTGGATGGAGCCTAN
GGGAGGCTGCTTGGCGACGCTTCTCCCAACTGCCGGAGCGCCTGTAACTGGTCCCATGG
ATGTCTCCATTCTAGTGACCCTGCTGTGAGTGCCACATCTCAAACCTGCAGACGCAGGG
CTCCCATTGACTTCCAATGCTGAAAATGCCAGTGTGGAAAAAAGACTAACTGTCCTCA
GTGCGGTTCTTCGATCAGAACTCCTTGTGGGTTCCAGAAAGCCTGGTTTCAAGACT
CTGACCCTGG

Sequence 2750

CCCTTAGCGTGGTCGCGGCCCGAGGTAAGTCTGAGTGTGTTGACTCTTGTAATCCTCCAG
TGAAGAGTCATCAAACCTGGGAGTGGTCTTGGGGCCCTGACATACCCTTCATGGAGCTG
GTGATGGAAATTTGCTGATGTTGTTGGCCACCCGAATGAGCATGCGAGCCCCCTTCATGT
GATCTCCATTTTAAACATGAATCTTACTAGTATATAGCTGTGCAGAATCATGAGGTTGG
TGGCCATCTCGGAGGGAATTTGATCTTCTNNGATTTCAGTTCTTGCATACATACTGAA
GAGAACATCGTGTGCAATCCCGGTAGTTGCCGCAAACTGCTCTTTTNTGGCAATGATGA
TGGGCAGTCTGGGGCAGCTTCTTCGGGTATTGCTTCANAACCCATGTACCTTGCCCGGGG
CGGGCCGCTCGAAANGG

Sequence 2751

CCCTTAGCGTGGTCGCGGCCCGAGGTACGCGGGGCCGGATGGATCCGTGCGCGCCACAGC
CCCGCGCGGAAACCTCAGGCAAAGACATATGGCATCCAGGAGAAAGATGTCTTGCCCTT
CTCCAGATAATGGAAACTTTGTGAAGCAAGCATAAATCTATCACAGTGGATGAAATG
GCAAGTCATTTGCAGTCGTCTTATATGCAGATTTTCAAGAAAGGAAAAATACCTCTTAAAC
AGCTTCAAGAAAGTAAAATTTGTTAAAGATTGCCCTAGGAATCTTATATTTGATGATGAAG
ATTTAGAAAAACCTTATTTCCCAAACCGAAAATTTCCATCATCTTCTGTTGCTTTTAAAT
TATCTGACAATGGAGACTCTATTCTTATACCATCAATAGGTATTTGAGAGACTACCAAA
GAGAAGGAACCCGGTTTCTTTATGGACACTACATCCATGGAGGAGGGTGCATTCTGGGTG
ATGACATGGGACTTGAAAAACAGTACCTGCCCCGGCGGCC

Sequence 2752

CCCTTAGCGTGGTCGCGGCCCGAGGACGCGGGGATGAGATCTGGTTGTTTGAAGTGTGTA
GCACCTCCACCTTCTCTCTCTCCCTCCCTCTCCCTCTCCTGCAGCCAAGTGAAGACATGC

Table 2

TTACTTCCCCTTCACCTTCCTTCATGATGTTACCATTGGAATGACATACTGCATCCTATA
GTTATACCATCCACTCTGAAATCAATGTGACTTTAACTTCAGTTCCATACAGAACTTCT
TTTCCACAGGTAAGAAACGGTTGAACTGGATGCAATTTTATCACAGCTTGTGTAAGACT
GCCTCTGTCCCTCCTCTCACATGCCATTGGTTAACCAGCAGACAGTGTGCTCAGGGGCGT
TGCCAGCTCATTGCTCTTATAGCCTGTGAGGGAGGAAGAAACATTTGCTAACCAGGCCAG
TGACAGAAATGGATTGAAATACCAGTGTGTGAAGCTGAATGATGGTCACTTCATGCCTG
TCCTGGGATTTGGCACCTATGCGCCTGCAGAGGTTCTTA

Sequence 2753

CCCTTAGCGTGGTTCGCGGCCGAGGACGCGGGGATGAGATCTGGTTGTTTGAAAGTGTGTA
GCACCTCCACCTTCTCTCTCCCTCCCTCTCCCTCTCCTGCAGCCAAGTGAAGACATGC
TTACTTCCCCTTCACCTTCCTTCATGATGTTACCATTGGAATGACATACTGCATCCTATA
GTTATACCATCCACTCTGAAATCAATGTGACTTTAACTTCAGTTCCATACAGAACTTCT
TTTCCACAGGTAAGAAACGGTTGAACTGGATGCAATTTTATCACAGCTTGTGTAAGACT
GCCTCTGTCCCTCCTCTCACATGCCATTGGTTAACCAGCAGACAGTGTGCTCAGGGGCGT
TGCCAGCTCATTGCTCTTATAGCCTGTGAGGGAGGAAGAAACATTTGCTAACCAGGCCAG
TGACAGAAATGGATTGAAATACCAGTGTGTGAAGCTGAATGATGGTCACTTCATGCCTG
TCTG

Sequence 2754

CCCTTAGCGTGGTTCGCGGCCGAGGTACTTTTTTTTTTTGTTTTTTTTTAATTTGAAC
AACTGAAGAATACTAAATCAGAGAGTAGCTGAAGCCTCTGCCCCGGTGACCATTGTCAGC
CAGGGACAGGCCTTGAACAACCTTTTTCCCTGTTAGATGTAAAGTTAGACTAGTGCTTAG
TAGCTCTGAATAAATACTTTTCTCTGTCAAGTAAAGTGTCTGCATTAATAATAAATATTAA
TTATATGGGACAGTTTGGACAGTTGGAAGTGCCTGTCTTCATGGAAAAATTCAGAAATTG
TTTAAATTGGGAACATTTTTGCCTTCTTTATTGAGTAGTATAGTTCCTATATTAACCTTG
TTATTGTTGTAGTTGACCTCACTTTAATTAGAAGTGTGGTCAGTATGGAAAGGATACTCA
TCATACTTGAGCCGAAATGAGATTATTTATTTATAAGCATTGAATGTGGGCCAAGCTGGC
AGGAACATTAGAGTAAATAAAGCCTTGGCTGCTAAACTTTGAAAATAAACTAT

Sequence 2755

CGCCAGTGTGATGGGATATCTGCAGAAATCGCCCTTAGCGTGGTTCGCGGCCCGAGGTACG
CGGGGGCGGACGGGCAGCACTTTCTGCAGAAGGTAAAAATCACCTTGCTGAGGAAGCT
TTTCGTCTGCTGATTCTTCTTTGTGACATCGGGGAATAAGGATTTATTTCTAACAGTCTT
GGGGGCTCGTCTGGGATCACCCAGTCTCCTTCGGGTGCGGGCCTCTGATTCCCGCCCCC
CACCAAGGGGAGGCGCCCCACTGCCTTACTGCGGTGGCCTCAGGGACTGGGAATCCGGAC
TTACCCGTTGTGATGAATAAACCCGGACCCTCAGCAACGTGGAAAACGGCGAATAGGCTT
GCATTGCACTGCCTCGGGGACCAGATAAACTCTGTTACAGAGCAAAGTAAAGAAACGT

Sequence 2756

CCCTTTCGAGCGGCCCGCCCGGGCAGGTACTTTTAGGCAGCTCACAGAGCTGATCTCAAC
TTTGAGCACCATTGGGAGGTAAAGACCTCAGGGCAGTTGGCCTCTTGTGCAGCTAAAGTGT
TTAGAAAGCCAGAACGAAGTGAAAGGAAGACCCTAGAGTGGGTCAGCTTTCTGCCAAAGA
TAGAGAATATAGCTATAGAATGCTCCCAGCCTACAGTATAGAGCTGTTGTTGGGAAGTGG
CTGCTCAGCCAGTGCCTGTATGCCCTAGCCTCTCACACAGTTGGACTACATGACTAGTTC
TTGCCAATGGAGTGTGAGTAGAAATGACGTCAGCCACTTCTAGAACTGTCCCATAAAAAC
CTCCTACTATCCCCCTGCCTGCCAGCTGGATGTCAATACTCAAAGGCATATTAAAGCCAT
GTTTTTAAAGGGTATGTCAGCTTGGATCACTGAATACCTGTATAAAGCAGAACCCTACTG
TAGATTGGATGTTAAGTGAGCAAGGAATATATTTCTGGGTATGTTAGGTCAATTGAAATT
TGAC

Sequence 2757

TGCTCGAGCGGCCCGCCCGGGCAGGTACTGGGATTACAAAGCATAGGCCACCGGGCATGGC
CCCAATTCTGAGCATTAAATTTATTTATTGGTGAGATGAAAGTGGTAATTTCTGTTCTTCT

Table 2

ACCTTTCTAGGTTTTGAGACTCAAAATTAATAATACATGAATTTTTGTGATAAAGCCCT
AAATAAATATAAGGCATTGATATGAATCACTCCATGTATTCCCACCCTGGACCTTGGCTT
CAACCTGATATTATGCAATAGAATAAGTATNAGGATAGCTCAACTTGGATATGCTTAAAT
CTAGCATGTTCAAAATATCCCCTGCCCATCTCGATCCTTTATTTCTCAGCTTC

Sequence 2758

CCCTTAGCGTGGTCGCGGCCGAGGTACATCAGCCTGTCTTAGCCTGAGCTGCTTTGAAGA
CCATGGGGTCTTGTGTTTCCAACCTTGAAGTGCTGATGTGGACAGTTTGCCAATGTTCTC
TTCTATTGCAAGTTCAGCCAGACTCCATGACTCATCTGATCCCTTTTATGGCCAAATCAT
CCTTCAGAGTAGGGAACACTCAGACATTCTGTGCATGTTGTTCCCCAAAGCATGGTCAT
CACAAAAGTCCTGAGTTCTGGTGTGTGCTCCCGCCTCCTGGGTATACAAGAGAGAAGGCA
GGAATCAGGAGTTCCAGAAGCATATACATGTGGCTACCCCAAGCAACAAGCGCATCCTGTG
CTCAGATAAGCTGCATGGTTGGGAGTGTTTTTCTCGCACGTTGAGGCTTAGNGGAGATG
GGCACCCTGCCATTTGCTTCAGAAGAAGGGCTGGTCTGGTCTTAAGTGGCATCCCCNA
CTGCCNAGATCATTCTAGGAATAGGTTATTTCTGAAATGTTTTATTAGAATTTCTTAATA
CCATCCTGGTTTGGGTCANGCCAATTNCTTTNGATTGGGAAAGGGTCAAC

Sequence 2759

CCCTTTGAGCGGCCGCCCGGGCAGGTACCACTTTGAGCTGAGCAATGGACGTGGACAAG
AACTCCACTTCTGGTCCAGCTGGTCTTGAGCATTCTAGCTGCGGAGATTGAGCTCCG
TGATGTTAATAGACTGCGCCATGTTGGGAAGGCCGACTTAACGAAGAGCCCCGCGTACGC
GGGGACAACAAAGAGCTGGCAGCTCCTGAAGGAAAAGGGCTTGTGCCGCTGCCGTTCAAA
CTTGTCAGTCAACTCATGCCAGCAGCCTCAGCGTCTGCCCTCCCAGCACACCCCTATTAC
ATGTGTCTGTCTGGCCTGATCAAGTGCATCTGCTCGGAGACGCTCCTGACAAGTCGGGAA
TTTCTCTATTTCTCCACTGGTGCAAAGAGCGGATTTCTCCCTGCTTCTTCTGTACCCC
CCGCTCCTNTCCCCAGGAGGCTCCTTGATTTATGAGNAGCTTTGGACTTGCTTCCCCGTC
TGACTGTCTTGACTTCTAAAATGGAAGAAGCTTAAGTGGTGAAAGGGAAAGACTTNAGG
CCATCACAAGATAAAAAAGAAAATNCNG

Sequence 2760

CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGTCTGTGGAAAAATTGTCTTCCATGAA
ACTGGTCCCTGATGCCACAAAGGTTGGAGACCGCTGCTTTAGATGGTGAATTAATTGTAA
GAAGGATAAAATATGTGCCACTACTTACATACTATAATTTTATCTATCTTCAGTTGGAA
CTGAAAAAAAATCAAGTTAATGGTTGCAGAAATAATTCAACGTAAAAAAGTGAAGTT
AGAAAAAAGTAACTTAATAATGACTAAAAATAAGGCAGATGAGTTTGAAGTGGGGCTGTTA
TCCTTTATTCCTGTAAAGGTCTAATGATACAGAGTTAGGAAATACCGAAGTGCCATTGTC
AAACACTCCTGAAATCTAATGACCGTGGTAGATGATACAAATCAACCACAGTTCTTTTAT
CTACTGCATTTAGACATAGCTTCAAAATACTTTGTAATCAAGCTGTTGGTCTTTTAAAT
GAAAACCTATTTAGTGCTCTAGATGCAATCTAATAAGGGAGGGAAAGTAGGTAATGGAAA
AGTCAGAAACAATCTTTAGATCATTATTCAGATCCAGTTAGCCCTCCAAAGCGTANACC
TTCTGTTACATTGAATT

Sequence 2761

CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGAGGCTTTTGACTTCTGGTTTTAGAC
TTTCTTTAGCTTCTGTTGTTAGACAACATTGTGCAAGCTTGGTTTTATAAGTTTGCGTG
GATTAAACTGAACTTAATGAAATTGTCCCTCCCCCAAATTCTCAGCACAATTTTATAGGC
CCACAAGGAGTCAAGCACCTCAAGGAGATCTTCAGTTTGAACCTGGTGTAGACACAGGGA
TACTGATGAATCAATATTCAAATTAGCTGTTACCTACTTAAGAAAGAGAGGAGACCTTGG
GGATTTGAGGAAGGGTTCGTAAGGGAGATTTTAGCTGANAAATACCATTGTCACAGTCA
ATCACTTCTGACCAAGTTATCAGAAAAAGGAGAAAAGAATGTCTCCCCACTAAATGTTCT
AGGGTGGGTGAGAAATCTAGGTTGGTTATCTAAATCAACAATATTTAGATATTCCAATAT
CTAAATATTGGTGGAATCTCTCCTGAAGTGTTCAATTGAACTCTAAAAGAGACAGCTTGT
GTATCAAGTGGCANGGGTTTAANGGTCAATTTTTATTCCCATATTAATCCTTTAATATT

Table 2

TAAACAAATTTCTTCTTGAGTTTAAGGATAAAATGGGGATGGGTNTTGCCTGGGNCCT
GGNCCCTCATNGGGACCATCAAAAGGGCAATGGTTGCAAAAAAAAAAAAAAAAAAATTNN
ACCCTTCAAATTGCATTGGGGGAAC

Sequence 2762

GATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCCGAGGTAATAAACATACAAACA
AAATTTAAAAATTAAGAGTTATTGAACCTAAAGATAAGAAAAAGGTTAACCTGAATTAT
TTGAATAGCCAAGACAACAAAACCTGAAGGATGCTTAAAGCTTTCTTAGGAAAGCTACTT
TCTAATAGGAAAAAGGCGTATCCAACCTAGAACTCTTAATAGTTTCAGCCCTTTTAGAAG
CTGTCCCATCATTTCAAATTTTGAAGGCAAGTCTTGGCAAATTGCTAGCTAGTGTGGGT
ACTGTGATTTAAATTCAGGTAGTTTAGATCAGAGTTGCCATTTTAAAGCATTAGTCTATA
ATGACCTAAACCTCAATTTAATCTTCTTATTAATAAATCTTTTTTAAATAGGAAATTA
ATAAAGAAGGCAAAAAACAAGTGTCTGCTAGGAATTACTAAACTCAGTATATTGCATT
TGGCAAAGTAAAGCTTAAATTAAGAAATCATCATATCATTTCAATTTAGAAAGTGAGT
CTTACTTGGTTTCCCT

Sequence 2763

CCCTTTGAGCGGCCCGCCCGGGCAGGTACAGTTAGCAAGAGGATAACTTTTTTATTAT
CTCTGTCTTCTCCCTCAGGAAGCAGAGAATTATCAGATTGGTGAGAGAAAGGAAATAAA
GGTCTGAACATGTGTCTCAAGTCACCTCTTTTGGGAGCACTCTGTTCTCAGTTTATTTTA
ATTCTGTTTCTCAATTTAATGAGTTTACTAGAGCAGGGTCCACTATTACCCTGTGGAGAT
CCTTAATGATACATGGATATGTTAATTCTGGGAATAAAGTAGTTAAACTGGCTAGTGAT
TATGCCACATTGTTAGAGTCATCTTTGTCAATAAGAAAAGTTGTTTCATTTTATGACATC
TGATCCATTTCTTCAGAAAGTGTGACTATTATTCATATATCCCCAATACACACAAAATAT
ATAGTTTAACTAAATTTTAAATCTGTTACATATTTTCTGGGTTACTAGCTAGAGACAT
CCTGGTTGTTTCCAATTTGTTGTAAGTGGAAATTTGATGCTAAACAAGTAGTGTTATGA
CAAGCCTTCTTATTC

Sequence 2764

CCCTTTGAGCGGCCCGCCCGGGCAGGTACAAAAGTTAAGCTCCATTTACCACTCACTTGA
CAGCGTCCTTTAAATCTGAACCTTGCTCTTGCTCATGCGGAGCTTGGCTAAGAGAAACCA
ATCAGAATGCAAGCTGTAGGTGGGTGGGTGAGTGTGTCCTCCCACTGCTCTCTGGT
GGGTTTGGGCAGTCCCTGGCTCTAGTCTGCTGTCAGATTCTCAGGACCAAAATGTGGGT
GATTTGTCTGGGTCCAGGCAGGAAACAGAAATCACACAAGCTCTTTTATTAGAGATAAT
ATAAAGAATGATTAACCAGGTGACAGTAAAGGGCANGGAAGGGAATACAAANGTATNCA
TGGAGGTAGCACACANGGAAGCAGGCATTACACTTTGAGGCTTGGGA

Sequence 2765

GATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCGAGGTAATTCATTGAGTT
CCTAGGTTAGGGTCAAGGTCATGAGGTGGACCAAGCANCTAGCTCCAACTGCCCTCCCT
GTTGCGTGGTTCCAATCCCTGCTCACCTTGACAGGTTGCAGGGTCCCATGACACCCTC
TGCTTCTCTAGACACACCTGCATCCTACCACTCAGGCAAAGAAAGTCCTCTGCTCCAA
ATTCATGATACGGGAGGCAGCATGGTGGATAGAAAATGCATGGGCTTTGGGTTGAGACAG
ATTTGGCTTCCAAATCTGGTTCTAGCTTTTGGGAACTGATCCAACTATTCAAACCTTC
TGAGCCTCAGTTATCTGCAAAATTGGGATAATAACACTGACGACTTTTTAAAGTAATAA
ATGAGAGGATTACTTTACATCCATTGAACTGGCAAAAATCAGAAAGAAACA

Sequence 2766

CCCTTTGAGCGGCCCGCCCGGGCAGGTACTGCCTAAGCTTCTTTCCACATGGAGTATAAT
ATGCTACTTCTCCTTGAAGGCGCCCTCCAAAGTTTCTTATTCTTGTCTCTCTGCCAGC
CATATTCCAATGGAATACGCAGTTCGCGTTCATCTGTTACTCTTCTTTTGAAGTGC
CAGAGTGTGGGCTTGAAGTAAGTGTGGAAGAAGATGTACCGTATTACTTTTCTATTGCTT
CTTTACCAATAAATACAGCTTTGCAAGTTTAAACAACAGAAATTTAATTTTTATAGT
TCTGAGGGTCAGTAACCTAAAACTGATCTTATGAAATAAAGTTAAATCTTGGGGATATG

Table 2

GGTGTGGGACAGGGCTGGTTTCTTCTGGGGCTCTGATGGTAAAAATTTGCTTCCTTGCCCTT
TNCTCCTTCTAGGGAGCCTGCATTCCCTGCCTCCTAGTGGCTTCCTCCCATCACTCGAAC
CTCTGTTTCCAGCCTCAGGATTCCTAATGTGACTCTGACCGTTTCATCTCCCGTTATGAG
GACCCCTCTTGAATTGGTAAGAATCATACGGNGACACTATGGAAGTTAACTTGAAGAATAA
AACCCCTGGAAAAATAGAAAGAATCTTCTATGGGTTTATCACAGAAGATTACNAAGGGCCTG
AATTANNAGTGGGGACAATTTATCCCCCTGGAAAAATGGGATAAAAAACAAITGAAATGAAN
CTTTGGGGGGAACCTTAACAGGACTTTATGGCAAACCTTCATATGGGAGACTTACNTGAAGG
GAGGAAAAAATCCT

Sequence 2767

CCCTTTCGAGCGGCCGCCCGGGCAGGTACATTGTAATTATGTTTGGTTGCATGGCTGTCT
TATTTCCCTTTGATAGATTTAGAGACCTCCCAAAGATTTCTTGATTAGTGATAAACTTAG
TTATCCACTAATGGAAGGAACAGTGATGCATGTAGATTATAGAAAATCAAACACTGAAT
ATTCTGATTCTCAATTAATGTTATTTTCAAATGATTTTGATTATATTAGTATTAATTTGT
ATTATTCAATTTTTTTTCCCCAGTATGAGAATAATGTTATCACTATTGATCTGGTTCAAAA
TTCTTCTCAAAAAACTCAAAAATGGATGTGGACATAGCTGATGTGGCTTATTATTTTGAA
AAAGATGTGAGTATCATCTTCTTTATTCTGGGTGAGGAATGTAAGTCTATCATGCCTCA
ATGAATTAATATATTTATCACCTTTTATCCACTTACAGATCAACCAAATGGTTCCCT
TGCTGCCGGTAATTTTGGCCCCCTGCACTCACATGCATCTTGCTTGGTTGGATATTTAA
GCCNCTTATCAATTGGTCTGNCCAAAATATCTCCCTCTTCTTAAAAATC

Sequence 2768

CCCTTAGCGTGGTTCGCGGCCGAGGTACTGTGAATGCAAAGATTCTGAACTAAATAAAAA
GAAAGATAGTAAAGACTAATGTGCTATAAAGGCTAAGGGAAAAATAAAAACCCATATATT
AATTTTCCCGGCCATCTTAATTTTTCAGACCCTTCCAAGTAAGTCCAACGAAAGCCATGAC
CACATGGATGATATGGATGATGAAGATGATGATGACCATGTGGACAGCCAGGACTCCATT
GACTCGAACGACTCTGATGATGTAGATGACACTGATGATTCTNACCAAGTCTGATGAGTC
TCACCATTCTGATGAATCTGATGAACTGGTCACTGATTTTCCACGGCCTGCC

Sequence 2769

CCCTTAGCGTGGTTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTAACTTCATTAA
CCTCCAGGCTTCTAAATCCCATGCTGCATTGCTGTTTTGGATGATAAGCATGCGACATGA
CCAAGCCTAGCTGCTACATCAGTTCCCTCTAAAGCCACTCAACATTACTATCAACATAA
AAACAGTGCATTTGCTATGCATTTGCAGTTTTGTCATATCCCAGCCAGACTGCTACCTA
AAACCTTTCCTGTAAAGAAATCTC

Sequence 2770

CCCTTAGCGTGGTTCGCGGCCGAGGTACATCAGTGATCACACTGTTATTTCCAAACGACC
CTTCAGCTGGATACGACATTTCTGATTGCAGCTGTGCTTATTGCACTTAATAATGTTCT
GGTCATCCTTGTGCCAACTATAAAATACATCTTCGGATTCTAGGGGCTTCTTCTGCCAC
TATGCTGATTTTATTCTTCCAGCAGTTTTTATCTTAACTTGTCAAGAAAGAACTTT
TAGGTCACCCCAAAAGGTCGGGGCTTTAATTTTCTTGTGGTTGGAATATTCTTCATGAT
TGGAAGCATGGCACTCATTATAATTGACTGGATTATGATCCTCCAAATCCAAGCATCA
CTAACACAAGGAAAAATACTTTCTTTTCTATTGGAATGGTTACAAGTTATACTCCAAA
AGATATTTGAATTATCTTGATTGGAATGTTATTCATAGGAAATAACAGGAAGATTCCAAA
GACGTTTACCCAGTAATATCACCAGGCACCTGCAGAAGAAGGAAAAATCCTGTTTTTGTC
AAAGGATGGGTTGGGGANTGTGTTTAAAAATAAAAANCTNGNGNGCNCAAAAAAAAAAAAA
AAAAAA

Sequence 2771

CCCTTAGCGTGGTTCGCGGCCGAGGTACGCGGGTATTACCATAGGTAACAGTTTTTCACAC
TCTGCCGGCTTCTATGATGCAGCAAACTAAAGTATAAGAAAGCGAATGAAGAGCACCAT
CGTTTACTTAAAGGAGCACCATTAAAGTTAAATCTTACCCAAGGGACTATTTTGACGCT
AATCCTTATTTTCTGAGGAATCTTACCACCAATTAAGAAAGAGAAGAAGAAAACA

Table 2

ATTTCAAATACTTTTAAACCGTCTTCTCCTGGTAAAAAGCCTGGTGGAATGAAGGCAGGA
ACCATTGATCCTTACCCATCACATTNTGCTGACCCTTATTGGGCTAAATTGGCAAATAT
TTTCTGGCAAAGATGATAAGATTTTCCACCC

Sequence 2772

TCGCCCACGCGTCCCGCAAGATTCAAGAGGGCTCAACGAGCTGTCAAGACAAGATTGAGGC
TTCACCGTCTCCTCCAAGGGTTCCAGAGTGAGGTGGGAGGCTGGTATCTGGACCAGACTG
GCTCTGGAGAGTAGGCGGCATTGAGAGAAGGTGGTACACCAGAGTCTAGACTCCCATGTG
AACACAAGGATGCTATCTGCCCCACCTGTCTCCTCTTCCAGCCTCACTTTACCTGCCCT
AGCACCCCATGCTCTGGCCCTCCCCAGCCTGGAGCTACAAAGCCATCANGACTGGACATG
AGGTANAGGCTGGGCAATTGGCCACTGCTCTTGAGACAGAACTACCCCTCCTTAGTG
CAAGGAGGCTGCGGATGGAGAGGAAGGCTCTATGAGTCTACCTACCTGCTCATGCCAC
CTTCCACAGGCTGCCCATACCCAGGGAGCCCCAGACCATGGGGGACTCGCAGCTGTA
CANGGCTTATGTAGAGTGGAATCTCTTGGATGCAGCTTCAGAAATAAGTTTTCCCTTT
TAAACAATTTAAAAATCACACATGGCATTTAAAGGAATTTTTAAAAAAGTTTNNAA
TATNCCNNGGNTAANNNGNANGGGGCGGNCCCTAGACTAATCTAANAAAAAACCTTCCA
CACCTTCCCTTGAACCTTGAACATAAAATGAATGCCAATGGTTGTTGGTAACTTGGTTA
TTGCACTTATATGGGTACCAATAAACAATGCATC

Sequence 2773

CTATAGGGAGTCGACCCACGCGTCCGGTTAATATGAATTTTTAATGCTTAAGATTTGAT
TTTTACTTTTCAAAGCAACATTTTGTGAATTTTTTCTGCACAGCTTTCCAAAATAAAA
AGCAGAAGTATAAAAACCCAAACAAGTCCACCACTCCAGTATTCTCTCCTTCTGCCAAA
CCAGAGCTATGCAGATGCAGGTCACTCTTCTTCCATAGCCTGCTTCTCTGAAGCTCT
GAGCCTGTGGGGCCAGAGGAGTCATCCAGAAGCCATCGGCCAGGAACGTGTGAGCCCAAC
ATGCTTCCACCCTCAGGGTTCTGGAATGCTAACAGGAGTGACAAACCAACTGCCAGCC
AGGCCGGAGAAAAGATGGAGATACATGTATATATATATATTTATATATTTTTCTTTT
TCTTTTTGAATTTCAACCCAAAAACATATTCCAGGAAAAGATGTAGAGGCTGGGCTGGG
TCTCCTTCAAAGGACATTTCGATATCAAGGACAGTGGGCTGGCCTACAGCCAGGCTACC

Sequence 2774

CGACCNACGCGTCCGACAGATGAGCCCTGATGGGAGTNCACCCCTCAGCAGGCACAGACA
CGCAGGATGGGGTATGCGGATGGACAGACGCCAAGCAGGCCTCACAGCCGAGTGCTGGCC
CCAGCAGCTGCCACTTACTTTGAGCTTCATCCTCTTCTTGTGCGGATCGTGACGACACT
GTGCCTCATGAGACTCTGCTGCAGTGCAAGGGAAAGAAGGACGCTTGACCTGGCCTGCAG
ACGTGGCTCAGTGCTTACAGCATTGCTGCTCGAGGAGGACACGGGTTTGGTTCCAGCA
CCCGTACTCCAGTTCAGTAAAACTCTTGGTGTCTGCTAACCTTAAGATGCAGTGGTCC
AGTGTGCAATAATAAA

Sequence 2775

CCCTTTGAGCGCGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTAATT
NAAGGATGCCATTTAGCAAATATGTTTCCAACAGATACCAATTCATGAACAGTGGAACAG
GGCAGGGCTTCTGGAAATAGTATTCTATAAATTGTGCTTCAACTTGCAAGTATTACATTT
GAAATAAGCAGTTACCAATAAAGAAATGTGCCTTGAAGTAGGTACAGTTTATTTATATT
TATATAAACTACCCAGCTAAATACTAAATATAAAATCAATGGGTATATCATTTACTTTC
ACATAGATTCTTTTACNTTGTGCTATTTTTTCTGTAATAAAATTAATATAGCTGAT
TAATGGAGGGTTGGAAGAAAACAAAACCTGAGAAGAAAAAATGAATTNCAATGGCATT
AGNAAAGGAT

Sequence 2776

CCCTTAGCGTGGTCCGCGCCGAGGTACTGAGCTCCACAAACGTGGCCATGGTTGGTGCGG
AAATGATTCTGAGTGAGCAGGTAGAAGTCTCACGTCCTGCTGTGTCCAGAGTTGGTTCT
TCCAGAGGGTTCTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTNACAGTGTG
GTTACAGCTGTTAAAGATGTTGTGTCTGGAGTTGTTCTTCACATGTGTCTGGAGTTTC

Table 2

TNCCTTC

Sequence 2777

CCCTTAGCGTGGTCGCGGCCGAGGTA CTCTTGGAGGATCAGCTCACCTGCTTTGCTCTC
GATGTAGCCTAGCTGGGTTTAGAGCCTTCCCTTGAATGAAGAACCCTCCCAGCTGGAAG
GGGATGCTCTTGAAAGCTCAGCTGACAACACACATGGGCATCAAGTCATTGGCCACATTC
ATGCCTCAAGTGTCTAAAACCGAATATGATCAAAAGAAAAGTCTGTTCAGCAAGTGGA
GACTGGCATGCAGATTCCCTGGCCTGCAAGCCTAGTGTAAGAAAGATACCAATACTGCTG
GAAGAATGAAAAGGGATGAAAGGGATGTCATCAAAGTAAGTTTTTCACTTGATGGAAAA
GACTAAAACAGCAAAGCAAGTTCAAGATCAAACACAACACCACAGGGATCCTTTGATGAG
AAGTGAACCTAAGACCATGAAAATGCTGTTGATGATTTTAACCCACCAGCCTTCTTGAT
TTGAGAAGCCACAAGCCCTTN

Sequence 2778

CCCTTAGCGTGGTCGCGGCCGAGGTA CTTTTTTTTTTTTTTTTTTTAAAGGGCAGCAA
AATCTTCTTGAGAAATTACATTTTATAAGAAACCCAAATAAATCTCGGATAAAATAGATAA
CATTATTAGTAAAGCCTCAATTTGAAAATTCCAAATTCACAACATTTGCTTATTATAGAGT
ATCAATCTATTTTATAAAAGGCAATTTGAGCAAACAAAAATACATAAAATCGCTTGTTAC
ATTTCCCTTCATTTCCGGGTTTCATTTAGTTGTACACGATCAATAAAAGTCTGACTCATAG
AGACGTATAGTTGCAAATGGTAAAAGTTTAAACAATTCATCTCCATTAAATAGACAGCAGA
GGTTTTCTTCTGAAGATGTCATAAAAACAAGTTAAGCTGGCAATAAAAGCAGCACATGG
ATGGTCACCAATGCTAAAAGTTTAAATAATAAAAAAGAAATGCTTTAAAAAATTG

Sequence 2779

CCCTTTGAGCGGCCGCCCGGGCAGGTA CTCTCCAGTGACATGCTTCTTGACCACAATG
GATGAACTGTGCCCAGCATGCCCACTTTCCAATGCTCCACTGATCCCATGTTTTGTTTCT
GAAGGACAACCAGCCTTGAATAATGGCAAATACCTTCTTAAGTTCCTACAAAGTATGGT
CCCTGGGAAGTTTATGTCTGTAAGTCAAACCTTGGGAAGTAACTGAGTTTTGATGCCTCT
TCCAGCATCATCAAGCATCATGCTATTACAATCCCAAACCATGGGGGTTTCTACAAGCT
TTACACCAAAGGGGCATCACTATCCCTCAAAGAGAAGAAACCTGG

Sequence 2780

CCCTTAGCGTGGTCGCGGCCGAGGTA CTGAGCTCCACAAACGTGGCCATGGTTGGTGCG
GAAATGATTCTGAGTGAGCAGGTAGAAGTCTCACGTCCTGCTGTGTCCAGAGTTGGTTCC
TTCCAGAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTACAGTGTG
TGTTACAGCTGTTAAAGATGTTGTGTCTGGAGTTTGTTCCTTCAGATGTGTCTGGAGTTT
CTCCCTTCTGGTGGGTTTGTGGTGTGCTGACTTCAAGAATGAACCCAAACTGTCGTGG
TGATCGTTGTAGCTCTTAAAGGTGGTGTGGACCCAAAGAGTGAAGCAGCAACAAAGAATT
TTTNGTCAAAAAGGGTAAAGAACAAAATTTTACGGTGTGGAAGGGGTATCTGAACCG
GNTTCCCTTGCTCCCCCGGTAC

Sequence 2781

CCCTTTGAGCGGCCGCCCGGGCAGGTA TGCGGGTCTGGGGGAGTTTAGAAGGACTGGG
AAAGAAGACAGACAAATATTGGAGTTTTCTGAATTTGTTGCTCAAGAAGAAAAAATAC
AGTGAAAGTTCAAATGGGAAAAATTAAGTCAGAAACAAATTAATTCATATGCGAGTTC
TTTCTAAATGAAGAATTTAAAAAGCCAAAGCAACAGCTGACAATGTTCTCCTAAACCA
GTATTTTGTGTTTGTGTTCAATGGGCCATTCTATTCTGGGAGGCTTATCCCTATAAAA
ACTTCACCAGCTGGAAAAAGACGAGCAGCCCCAGTCTGTTCTGCTGGTCTGTCTCTCTA
CCACCCCATCACAAGTGATAGTGTAGGACTCAGGTAAGTCTGCTGGAGCCTCTGAACA
GAAGGCACCATCAGAATAAAGCAGATCTACTTAA

Sequence 2782

CCCTTTGAGCGGCCGCCCGGGCAGGTA CAAAAGCCAAGATGCCATTGTGGGCCTGGGC
ACTTGGAGGTCTCTTCTCGGCAAAGTGAAANAAGCGGTCNAAGGTTGGCCATTGATTGCA
TNAATATCTGCCACATTGACTGTNGCCTATTTCTATTGAGAATCAACATGTAGGGTNGGG

Table 2

TAGAAGNCCATTCCATAGTAGNAATGTATCTCAAGTAGAAAGGCCTGGTGTATTGCNGGT
GNAGNGACNCTGGTTTCACCCCGTTTCAGCTAAAGGGTGTGTTCCACACTTTTCTTTT
TGNANGAGAACCNCCTTTGNTTGAAGGGAAAAAGGCCCTTTTGAANNAAAGNACNCCCT
TCAATGGGAACCCCTNNAAANGCNTTGAAGNCCTAATTCTTGGGGAACCGNTTCTAATTC
NTTTAATTTCCAACNTTGGGGCCCCACCAAGNGGGNA

Sequence 2783

CCCTTTGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTAAAGAAAAAGAATT
ATTTTATAACCTGAAGTTGGAAAAATTTTANAATATTTTCTGTTTTGATCCTNCCC
TGGCCCCCATTNACCTTAGTATACAGNAATTTACCTTTTTTGGTGGACGTTTTTGGC
CTTTAAGGTTCAATTCNCATTTAAATATAAANTGGATTTATAAAATTATTGCCCTTAA
AATTNAACCTTTCTTGGTTGNTTGTANAAAANTTAGNCCCNCAAGNGGGGGTAAANAAT
TTGAATTTTAAAAATTTCTTANCCACNGGGAAAAACCTTNTCTTGGNCATNCNAATTNA
GGGGGTAAATTAATTTTANAAAANNAAAAAATTGGAAATTAACCAACCAANACCTTAA
TTNTTTTCTTTTAACCTTAAAAGGA

Sequence 2784

CCCTTTGAGCGGCCGCCCGGGCAGGTACTGGATCAGTTTCTCCTGCGTGAGGTATGGGT
GACACTCAACCTGGTTAGTCACTGGTTTATATTTTCACTCCAGGTTTTGTCAANTAGCN
CTNTCGTATCTGGTAAGTGGTTTGAATTTGTAGACNCCCAAGGGTCTTTTACTCANTC
NCCTCTCGTTCACNCAAACTTACTCTCATTGGTCNCTTACCAAGGGCCATTNTCNAAA
GTAAACGNTTTCTTTTTTTCCACCTTGNATTCCAATAATATANCNCTTTTTTATTCA
ANTCTTTTTGGGGGGGAAAAAAAAGGGTTCANTTCGCCNCCAGNTTCNTTTTGGAAAA
ATTCCNCTTTGNNTGGNCCCCATGTTTGTANAATTAATGTTAATTAGGTAACCGTTTNC
CAATTATTAANGGCCCTTCAAGTCCCTTTNNAANGGTTACCCCTNTTGTAAANGGGGGT
TTCTTTTTCTTTCAAAAAAGGG

Sequence 2785

CCCTTAGCGGCCGCCCGGGCAGGTACTTTCTTTTCTTCCCTCTTCTTCTCTAGCC
CCCTCCCCATCACCTACTCCATCTGCTCCCCAGCTTCTCTTTAATATTGGATAACTAAG
TAGAGAAGGAGGCCAGGAGAATGTGGAAATGTGAAACTTCCCTAAGCCTCCACCTTATTC
GCTTTCCACCAGTCTTTAACTTTACCCAATGGACTCTCTGACCTCAGGGAACTTTGTAG
GCTTTTGAGTGATTTTAACTTTTCCCTGTTTACTGTGGAATGCTCTATCCTGNGGGTCT
TCGGNATTATTTCCCATGTTATTGGATATTATGCTATTTAAGTAGAAACTTCATAGAATG
CACCTTAATTTTATCATTGCTTTGNACATTTAGTATTCCATTACCAAAGTGATAATAATG
GAATGAGTTAAATAATTGTCTGAATGCAGGCCATTTCCAGAATATTGGGCTCTTTGAG
AACGAAAAANATTTAAATTTGGCTGNGCCTCNAAGGTTTAAATTCNTTTTNGGNTCTAA
ANATTTTTTNCNCTTTT

Sequence 2786

CCCTTTGAGCGGCCGCCCGGGCAGGTACTTTAGGTGCTGGGTCAAATTCTGTCTGCT
GTGGTCATTAACGGGAAGAGGTGGCCAGTTGTGTGGCCTGCCTGAGGCACCACTGGCCC
CAGCTGACCTTTCCAATCAAAGGAATGGCTGACCAAACCAGGATGGTATTAAGAAATTCT
ATAAAACATTTCAGAAATAACCTATTCTAGAATGATCTGGGCAGTGTGGG

Sequence 2787

CCCTTCGAGCGGCCGCCCGGGCAGGTACCTGAAAAACAGCTGGTAGGATGGAGGAACTGA
GCTTTTAAATAGGCAAATGTGGCTAGGAGCTACCATACTGGACAGCACAGTGATTANTT
TGGTGCAAAAGTAATTGTGGTTTGGCCATTTTAAAGTGGAATGGTAAGCCTGGCTATT
AAAGT

Sequence 2788

CCCTTTGAGCGGCCGCCCGGGCAGGTACTGAGCTCCATAAACGTGGCCATGGTTGGTGC
GGAAATGATNNTGAGTGNTCATGTANAAGTCTCACGTCTGCTGTGTCCAGAGTTGGTTC
CTTCCAGAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTCACAAAGT

Table 2

TGTGTTACAAGCTGNTAAAGATGTTGTGTCTGGAGTTTGTTCTTCAGATGTGTCTNGAG
TTTCTCCCTTCT

Sequence 2789

CCCTTAGCGTGGTCGCGGCCGAGGTACCCTTTCTGCAGAAAGTATAAAAAATGGCCTTGCT
AAGGAATTTAAATTTACATTCAAGTGCTATTTCTTTACAGCACCGGAAACAAGCATTTC
AACAGACCTACTATACAATGACAGTAATTAAGATAATGTGATACTGGTGGAGGAATAAG
CAGGTAGACAAATCGAACATAATAGAGAACCCAGAAATAAACCCCTACAAATATATACGC
AACTATTTTTTAAACAAAGATTCAAAAGCAATTCAAGTGGAGAAAAATGACCTTTTCAACA
AATAATGGTGGAGCAGTTGAACATCTACAGCAAAACAAAGCTNAACTTCAACCTCACAC
CTGATATAAAACATGAATAAAAACTATGAACTTTTAGAAAAATAAATAAAACCTT
AGGGATCTANGGCCAGGCAACATGTTTTTATACCTCACATCAGATCCATAAAATAAAATT
A

Sequence 2790

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTNTTTTTNTTTTTTAAAGGGGTTTTAGCAC
ATCTCTGCCGNCAGGAANTNTGTTTTAATGTCAAAAACATCTATTCTAATATAATGGTG
AATTTATAAATTTCTCCTTGAGTTGTTATGTAGGTTTATGTATGTTGAACCTGTATTAT
CTGGTATAAGTAACAGAATTCTAGTATCTTCTGGTAACTAAACCTTTTATTGTTATAT
GATGTGGTANAGACTGCAGGTGGCTTTCCAGAAATCACCCTCCCTCAGTAAAGTCCAGT
TTTATTCTGGGCAGCCTAATTACCTTGCAGCAAAGGGCTAATGAAGTTACTAGGTAGAAC
TTCTTGTAAGCACTTTAAGGTCATGTATGTTGGCTCATGCCTGTAATCCCAACACTTT
GGGGGGCCCCGAGGCCAGANGATCACTTGAGCCAGGAGCTCAAGACCCAGACTGGGCAA
TACCNGNAAAAATCCCGNCTNTACAANATAGTTTTTTAA

Sequence 2791

CCCTTTGAGCGGCCGCCCGGGCAGGTACTTTTAGGTGCTGGGCTCAAATCTGTCTGCT
GTGGTCATTAACGGGAAGAGGTGGCCAGTTGTGTGGGCTGCCTGAGGCACCACTGGCCC
CAGCTGACCTTTCCAATCAAAGGAATGGCTGACCAAACCAGGATGGTATTAAGAAATTCT
ATAAAACATTAGAAATAACCTATTCTAGAATGATCTGGGCAGTGTGGGATGCAGTTAGG
ACCAGACCAGCCTTCTTCTGAGCAAATGGCAAGTGGTGCCCATCTTCACTA

Sequence 2792

CGCCAGTGTGATGGGATATCTGCAGAATTGCGCCCTTTGAGCGGCCCGCCCGGGCAGGTA
CGCGGGGTTTTGTCACTGGTCCACATACCTGGTGAAGGAATAAATCCATTAGGTAGGAN
TAGTTGGGTTTTNGGNNGNNTNTTTTTTTTAAAGAAAGCTTTGGTTAAAAA
AAAAAGAACAGGGTATTTTAAATTTTGTGTTTGAAATTAAATAACAGTTTCCAGGCAT
ATGTTTAAATTACTGAGATGAGTACTTTTGAGGAGACTACTATCTTAAGTAAATTTTA
ATTTTAAATGTGATTTTGGGTTGCCGCTTAAATCTGCATGTTTCAAATTTGAAATAAA
ACCAACTGNAGTGAGAGGTCTTGACTAATTGTGATTTAACTTTGCAAGTAGTTTGCCAA
ATTTCAAATCCTAANGGAAATATTTGTAATAAAAAATATATCTTTTTTTAAAAA

Sequence 2793

CCCTTTGAGCGGCCGCCCGGGCAGGTACAAAGCCAAGATGCCCATTTGTGGGCTGGGC
ACTTGAGGTCTCTTCTCGGCAAAGATGAAAAGAAGTCGGTGAAAGGTGGCCANNTGATG
GCAGAAATATTCGCCACATTTNACTGTTGCCCTATTTCTATTGAGNAATCAACATTNATGG
TTGGGGAGGAATTCATCTCATAGTAGTAAGTATTCCATAGTAGTAAGTGCTTGTGTAT
TGTCGGGGNAGGGACTCTTGTTTCATTTCNGTTCAAGNCAAAGTGGTGGTTGGCCCCAAT
TTTCTNTNTGGAAGTAGNACTCCNCTTTGTNNAGGGNAAAAAGNCCCTTTTGTANAAA
GTACCCCTTTCANAGTGNACCCTTGTAAGNCTGGANNCTTANTCNTGGGGNAACCGT
TTCTTAATCTTTTAANTTTTCAAACCTGGGNCNCCACNAAGGGGGGT

Sequence 2794

CCCTTAGCGTGGTCGCGGCCCGAGGTACTGTGCTGCTCNTCTGCNAGANGGACCTCCTTA
CACACTAAGCCNAANACTGNTTNNCTTGATAGCTTAGGACTGAACTATGGGGGAGGGGG

Table 2

AGACACCTAATCATTTTTAGAGAAAACAGTAGCTTTAATGAAAAAGTGAAAACTATAGC
TTTTCCACCAAATATCACAAATATTTATTTATATCACTTCCCAAATCTTGTTTACATGT
CTATTGGTCTGCTAGAGCTACCATACAAAATTACCACAGACTGGGTGGTTTAAACAACAT
AAACATATTTTCTCACAGNTCTNGAAGCTAGAGGTCANAAATCAATGTTTCATCAGGTTT
GATTTCTTACAACACCTTCCTCCCTAGCTTGNAGGTTGCCATCTTCTNTGTCCTCATGTG
GCC

Sequence 2795

CCCTTAGCGTGGTCGCGGCCGAGGTACTTATGAAGCCCATCTAAGTAAGATCATTTCTTC
TAATTCAATTTTCTAAAATCATTTGTGTTTTAGAAATCTCATGATTCCAGGAAAAAATT
TTAAATTGTGATACAGGTTTGACAGCCTTTTAGTCAAATAAGTTAAACACACACGCAA
CTCATTTACTCACTTTGCCATTATAATTCAATCACAAAGAAATTTGGCCAGGCGTGGTG
GCTTACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCAGGTGGATCACGAGGTCAGGG
GATCAAGATCATCCTGGCTAACATGTGAACCCCGTCTCTATTAAAAATAAAAAATTAGC
CTGGTGTGGTGGCGGGTGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGCAGAATGG
CGTGAAGTCAAGAGGCGGAGCTTGCACTGAGCCGAGATCGCGCCACTGCACTCCAGCCTG
GATGACAGAGCCGAGACTTCCGTCTCAAAAAAAAAAAAAAAAAAAAAAG

Sequence 2796

GTACNCGGGGACCTGCTGTGCTCTTGCTTGACAGTGTCTGAGCTGGACCTGGCNNTG
GGNNGCAGNAACATTTTGAATAAGGCAGCAAGCTGCTTCTCTGCTGCCTGAGATACCA
GAACCATACAGAAAGACATGCAAAGCACACCAAATTGTCTACAGCTTAAGATCAACAAAA
ATCCTTTTTCATTAATTATAAATTCACAGAGAATATAACAATGATCCTTATTATCCCCT
TTACTGGCTCACACAGGGAGAGAGAAGCCAAAAGCCCAACTGATTCCCAATGGCGAAGAT
TGAGAAAAACGCTCCACGATGGAAAAAAAAAGCCAGAAGTGTAAACAATCATGGAAG
TAGATGGGAGTCCCTACCTTGGATTTTATCAAAAGAATGGGG

Sequence 2797

CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTTGAGCGGGCCGCCGGGCAGGTA
CAGGACACAATCCCTGCTTCATTCTTGGCTGACACAGTATACCACCCAGCATCTTCTTTT
GTGGCTCCCTGAATGAGCAGGCAGATGTAGCCGTGGTTGTCTGGTGCATGCTGGAGAAA
AGGATAAAGTCATTAGGGTTCTAAATTTTTTAAAGTGGCTTTGGACATGAAGCATCATT
TTTAATTAGATCATTAGAAACAGAATTGTGCAAGTAGCTGATAATAGGGTCATACTTATT
CTGTAGAGATTACTAAGCTCCATTAAAGTTAATGGGAGAAAGAACAGACCGTCAAGAGTT
GAATACATCTGTGTGCTTAATTCCTAGTTGAGGATCTGCCTTTACAAAAACCACTGAATA
GTCTTTTATCACTAAAGCAAATGAATTCATCTTTTCTTTTAAATAGAATGATAAACACT
TTTAAAA

Sequence 2798

GATATCTGCAGAATTCGCCCTTTGAGCGGGCCGCCGGGCAGGTACACTCGGCCACTGTT
CTCTGACCTACTGCCAGCCCTAGTGCTGCCTGCACCCAGGAGCTAGCTGTAAGACCTGG
GGCAGGTATGCAGCCCGCTGCAAGCCTTGGTTCCACACCACGCCTGTGAAAGGAAGGAAG
GATACAAGGCAATGAGCCACACAGCTCCTTCCAGCGCCAACAGCCACTGCGAAATTAGGC
TCTTTTGCTTTGGCCATACTTGTATACCGGCATTGGGCTCAGCTGGGCACTGGAAAGCA
GCTGTTCCGTGCTTGTAAAGGTAATTAAGCAACGGTGGCCCTCGACTAAATCTATCTAAC
CACCAACAGATGGGCATTTCACTGTTCTAGGCATTTAATTCTTCCCTTAGAGGACAGT
AAATCACAAGGAAACTATGGAAATAAACNGGTAGCCTACCCAACCTGGGGCTGCATTTGT
TGCTATTTCTACCCATCGAA

Sequence 2799

CCCTTTGAGCGGGCCCGCCGGGCAGGTACTGAGCTCCACAAACGTGGCCATGGTTGGTG
CGGAAATGATTCTGAGTGAGCAGGTAGAAGTCTCACGTCTGCTGTGTCCAGAGTTGGTT
CCTTCCAGAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTCACAGTG
TGTGTTACAGCTGTAAAGATGTTGTGTCTGGAGTTTGTCTTCAGATGTGTCTGGAGT

Table 2

TTCTCCCTTCTGGTGGGTTTGTGGTGTGCTGACTTCAAGAATGAAAGCCGCAGACTGTC
GTGGTGATCGTTGTAGCTCTTAAAGGTGGTGTGGACCCAAAAAAGTGAGCAGCAGCAAGA
TTTT

Sequence 2800

CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTGGCTGTTGTTTTCT
TCTCTGTCTTTTAACTTTGCAGAAAGCCCTTCCAGTTATCACTCAGACCCTGTTCCAGGA
CGTTGGTGGCCAAACAGTCCCCTTTTGTAAAGCGAGCGTCCCATTTTTGTCTCTTGAA
AGGTGCCCTCCGGGACAGCAGAGCCCTTTCTTTGGGCTGTTTATAATTGAGCCCTGAAGAA
AAACAGAAATCATTCTAAACCCAGGCCAAGTGCCTCCTTGGCCTAGCTAGGCAAAGCTAA
ACTCACACAAGATGAAATCTAACCAGCTGGTTACCTGAGAACCACCTTCGGGAGTTCTCC
GGCTTGACTGCTTTTCGCTTGGCCACCATCTCNAAGCTCCAGCGACAGCTGAGGGTCAGGG
CCTCTCTGTGCANAAGAGTAGGAAGAGAATCATAGCTGTTGGTGAAAGGTANGTTGCATT
GNTTGAAGAGGTCCCTATGTCAGCTTGCAAAATGCTATGGATCTGTAAANAATCCTGAAAA
AAATGGGTTGGANAAAAAATTTATGACCGGAAGTNTAAGTTGGCTTTGAGGGGGCAATTT
AACCNCGAAATTTTTCTTTTGGGGGTNAAGGTNTAAAAAGTNCCCTTTTAA

Sequence 2801

CCCTTCGAGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTNCCTGCTGA
GTTGTATAGTAGAAAAATCACATTCCANTTTTGGAGTTTAGCTCATAATTGCTGCCATTT
TTAAACGTCAAAATATTTTATTTAGCTAACTATAGTTGTTTATGAAATAGGATCCATTTT
TTAAATGCAAAGAACTCAGNTCATTAAACCACTAAAAAGCGAGTCCAAGGGAAAGGGCCT
GACACATGAATTAGCAAATCACAAATGTAGTAAACAGAAAAAGCTGTCTGTTCAAAGGTG
AAAATCAGAATCATGTAAATGGCTATCTGTTGCTTTTATTTTTTCAGTTGGTTNCCAAAA
CAGAAATATTTACTAATAAATTTTATTTTATTTTTTGAGATAGGGGTCTTGCTNTGT
CACCCAGGCTGGACTGCAGTGGTGTGATCATAGCTCACTGCAGCCTCGAAGTCCCTGGGGT
CAACAATCTTCCCGCCTTACCTNCCAAGTAGCTAGGACCCATGGTCACATTCCACCAAG
CCNGGCTAATTTTAAATTTTTTATTTTTTTNGACCAGACAGGGGNCTTTATCATTTTTGCC
CAAGGCTGGTCTTTCGAACCTTCTGGGGGTCAAGCAATTCCTCCACCTTAANCTTCTAAAG
GTNTTAGGGANTACCCGGGCNTGAACCNCCATGCCAAGCCAATTTTACTTAAATAAA
GGGCCANGTTTTTTTTTAA

Sequence 2802

CCCTTCNAGCGGCCCGCCCGGGCAGGTACTTTTAGGTGCTGGGTTCAAATCTGTCTGCT
GTGGTCATTAACGGGAAGAGGTGGCCAGTTGTGTGGGCCTGCCTGAGGCACCACTGGCCC
CAGCTGACCTTTCCAATCAAAGGAATGGCTGACCAAACAGGATGGTATTAAGAAATCT
ATAAAACATTACAGAAATAACCTATTCTAGAATGATCTGGGCAGTGTGGGATGCAGTTAGG
ACCAGACCAGCCTTCTCTGAGCAAATGGCAGTGGTGCCCATCTCCACTAAGCCTCAACG
TGCAGAAAAAAC

Sequence 2803

CCCTTAGCGTGGTGC CGNTCGAGGTACTGAGCTCCACAAACGTGGCCATGGTTGGTGCGG
AAATGATTCTGAGTGAGCAGGTAGAAGTCTCACGTCCTGCTGTGTCCAGAGTTGGTTCCT
TCCAGAGGGTTCTGTTGCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTCACAGTGTGC
GTTACAGCTGTAAAGATGTTGTGTCTGGAATTTGTTCTTCAGATGTGTCTGGAGTTTC
TCCCTTCTGGTGGGTTTGTGGTGTGCTGACTTCAAGAATGAAGCCGCAAACTGTCGNGG
TGATCNTTGTAGC

Sequence 2804

CCCTTAGCGTGGTGC CGGCCGAGGTACTTTTTTGTCTTTTTTTTTTTTTTTTGGCTGA
CCTGTAGTTTGATTTCCAGTGTCTAGACTTAACAGTCTGAATTTAAACACGAGGCATATA
CACAAAATCATCTGGAACCTGATTTTTTTCACACTAAACACTTCTTTCTGATCCTACTTTC
CAGGAGGCTCCTTCTCCAAACATATCTCCAGATGAAAATCACTTAATTAACCAAGAAAG
ACTCAACCGCCCTTAACTGCTTTTCTAAACAGTCACACATACTGGATTTACTTATTTGA

Table 2

GACATGACAAACCAGTTGCAAACCACAAATTCATTCTCATGGGCCCTCCACACGGTCTCT
TGTTCTTCTGAAGAGGGTCTTGCTGAGGACCATTTTGTC

Sequence 2805

CCCTTAGCGTGGTCGCGGCCGAGGTACTTACTGGTGTGGAAAATAGCCTGCAGGTAGGAC
CATTGCAGTGATGGGCAGATGCGTCTTTCACACGGAATCAGGCACAGTGGCCTTCTGTGA
CATGTGTTTATAAAAAATGGTTAAGTATATAATAAATTGAACATCTTTGAGATTGGGAAG
AATTATGTNGAGATTTTCCACCATTATGTTTTACTGGGATTTCAAATACCTGGTCCCTN
TGCNTTGTTTTTAATTGCCAGGGCAAAGCNAAGGGCNAAAATGNGCCCTAAAAAATG
CCTGNTGGGCTTTAATTAATTTTNTGGAATTAAGGAAAAATCCANANAAAAAACCCC

Sequence 2806

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATC
ATCAGGCTTGGCTTGGAAATTACATACTTTTTCCACCATTCTTTTGATAATATCAACGT
AGGGACTCCATCTACTTCCATGATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGC
GTTTTTCTCAATCTTACCATTGGGAATCAGTTGGGCTTTTGGCTTCTCTCTCCCTGTGT
GAGCCAGTAAAGGGGATAATAAGGATCATTGTTTATATTCTCTGTGAATTTATAATTAAT
GAAAAAGGATTTTT

Sequence 2807

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGACCTGCTGTGCTCTTGCTTGCACAGT
GTCCTGGAGCTGGACCTGGCTCTGGGTTTCCAGGAAGCAGTTTGACTAAAGGCAGCAAGC
TGCTTCCTCTGCTGCCTGAGATACCAGAACCATAACAGAAAGACATGCAAAGCACACCAAA
TTGTCTACAGCTTAAGATCAACAAAAATCCTTTTTTATTAAATTATAAATTCACAGAGAAT
ATAAACAATGATCCTTATTATCCCTTTACTGGCTCACACAGGGAGAGAGAAGCCAAAAG
CCCACTGATTCCCAATGGCGAAGATTGAGAAAAACGCTCCACGATGGAAAAAAGCCA
GAACTGTTTAACATCATGGAAGTAGATGGAGTCCCTACGTTGATATTATCAAAGAATGG
TGGGAAAAAGTATGTAATTTCCAA

Sequence 2808

CCCTTAGCGTGGTCGCGGCCGAGGTACTGAGCTCCACAAACGTGGCCATGGTTGGTGCGG
AAATGATTCTGAGTGAGCAGGTAGAAGTCTCACGTCCTGCTGTGTCCAGAGTTGGTTCT
TCCAGAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTACAGTGTGT
GTTACAGCTGTTAAAGATGTTGTGTCTGGAGTTTGTTCTTCAGATGTGTCTGGAGTTTC
TCCCTTCTGGTGGGTTTG

Sequence 2809

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTAT
TTTTCTCTTCACTTACCATCATCTGACATACTACGCACTTGTTAATGTTGCTCTATCC
CTAGCTCCATGAGGAAAGANATTTGTTTGTGNGGTACTGNATCCTCAGCACCTANAANA
GGATTTGGCGAATATTAACNCTCGATAAATATTTGATGACTGAATGAGTGAATGCATGA
ATGAACAAAGTCATAAACTGGGCTTCAAAGCTCATNTTGTCTAGCATCATAACTAGAA
AGTCATAAAAAAAAAAAGTTTTTCC

Sequence 2810

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTNGAGATTG
TTCTACTAGGAATTTATTAATCAGAAAAGCCAATGAAGCCATATATTTTGTTAATATA
AAACTCATAATTTAATTTCTTTTATTATTGATTAATATAAAAAGGAAACCTAATTCA
ATTTATAAATATTTAATTAACAGAATTATATCCCATACAATATAAAATCTAACATAGAA
TTATGGCTATAACTATGGATTATACTATAATAACAAGATTAATTTTAATTTATTTCTTTC
AGAGATGAATCTTACAGNGATGTGCTTCTATTGACCCACTACATTACCACCATTTAAC
ATACATTGCTGTGGACCAAATAAACTAAAGAACCAATAAGCTCATACATCTTCTCTG
C

Sequence 2811

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTAAACCATTTCAAGAGAG

Table 2

TCTCTGGATTTCTTGATCCTTGATTTGTGGTTTTTCATGTTGTCTGTGAGCTCCAGCAGGG
CCTCATCAGCCCTGTCCGTGGTGCTGCTCCAGCTCTGTGCTCCCCGATAGGTGGCCCTGC
GCTCTATGCACATCCTTCTTAACATAGGAAAGATGTATGCCTTTCAAAGAAAGGCATTCA
AGACAGATCAGCACCAAGTGGAGGCTCTACCCACAGATGTTAATGTGCATTAAGAAACAG
CGTTACTGAGAAATCTGAGCCATCATTCCAGAGTCTCTCTCCTGGGGAGAAGTTTGT
TACTGCTGGGTTTTTTTGTGGTTTTAATTCAGAATTTGGAAGTAGAATTATTTGTAAT
AAACCTATCAAAGCCTANCTAAGGGCTGNCATCTCTGTCTAAATCTAGTTGGTTATAC
AGTATAAAAAAGACATTTNTAAAGCTCTCAAAGCCTGATCCTCCCTCAAATAGTAAAGGG
ACTGNNGTGAAAGGTTTGTTAAGCNTGGCTTAAACAACCTTTTTTTTTNCCCCCAGC
CTCCNGGGGGAAAAAGCNAACTTTTTTGCCNAGANCTTTTAAACTATTAAATAG
NAGTTATTNAATNTNTTTAANCCAAATGAAGGGGTAAAAAGTTNNTTTTTTAAAAAA
AG

Sequence 2812

CCCTTTCGAGCGGCCGCCCGGGCAGGTAAGTGGATCAGTTTCTCCTGCGTGAGGTATGGGT
GACACTCAACCTGCAACAGCAAACAATCCTCATCAGGGGAAAGCCGGCTCTGTTTTGCA
TTGTTCTAGGGAGTTCTACACAAAAAGAGTCCACCAAGCAAAGGCCAAACAAGTGCG
CACTGAGATTCTTGCTAAATCACCCATGAGATCAGCCTCACACCTCCCCAAAGTGCTCTG
ATCACTGACCCCTGAGATAAGACTCAGGGCATAGCATTGAACATTCCCCCGCAATGTTT
AAGAAGTAATAGGGCAGGAC

Sequence 2813

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGAGACTCTGCCTTTTCAACATGGATGGC
TCCTCCCGCTGCCGCTGCCGCCCCAGGAGACAGCATTACAGAGCATCAGTTAGGTGCAGA
GACTGGGCAGTGCGCCCGTGTGCAAAGACAGGAGACAGCAATCTCCCTGAAGGAGTGAC
AGTCTAGGGAGGAAGGCAGACTGCAGGGGACCTACTTCTCTCGGAATCTCAATACTTGG
AACAAGAACCTCCTAGACGGACCCCTTGGCATAATGAATTGGACCAACTGTAGGTTCCAG
GACTAGAGAGCCAG

Sequence 2814

CTTTGAAAACACCAAGGCACTCCAGGGGTATCCTGGAAGTCAAAGCAGCAGCCCCGGTTG
TTTGCACTCCTTGGGGGTGACATGGGGGNAGCCGAGTCCACCCTGTCTTGGCTGGCAC
GGCACACTTGGTTTGCAGACAGGCCACGTCNACCTTCGGCCCGCTCTAGGAACCTAGTGG
ATCCCCCGGGCTGCNAGGGAATTTTCGATATCAAGCTTATTCGAATACCGGTGACCTTCG
AGGGGGGGGGCCCCGGGTAAACCCANCTTTTTGTTTCCCTTTTNAAGTGNAGGGTTTAAAT
GCCNCGGCTTGGCCGTAATTCAATTGGGTGATTAGCCTGGTTTTCCCTTGTGGTGAAAAA
TTGTTTATTCGCTTCAACAATTTCCACCACCAACATTACCGAAGCCCCGGGGNAGCCATA
AAAAGTTGTTAAAGCCCCCTGGGGGGTGGCCNTAAATGNAGNTGAAGCCTAAACCTCACA
ATTAAATTTGGCCGTTTGGCGCCTCACTTGGCCCCGCTTTTCCAAGTNCGGGGAAAAAC
CNTGTTGCGGTGGCCCAAGCCTTGCCATTTA

Sequence 2815

GAAACAAANAAAANNACCCTCTTGACANAAAAGGCCTTGCTGCTGCTCACTCTTTGGGNT
CCANACGCANCCATANTNAGCTNCAACTGATCACCACGGACNGTNTNGCCGGCTTTTCAT
TCTTGAAGTTCAGCGACACCACAAACCCACCANAAGGGAGGAACTCCAGGCACATCTGA
AGGAACAAACTCCANACACCAANCATCTTTTAACAGGCCTGTTAACCACCACCACCTGTG
NAAGGTCCACNNGGCTTCANTTTCTTTGAAGCCAGCCGAGNACNACCGNAACCCCTTTT
GGAAAGGGAAACCCAACTTCTTGGGACCACAAGCCAAGGGACCGTTGAAGACCTTTTCTT
ACCTTGCTTCACTTCAAGAAATTCATTTTCCCGCCACCCCAANCCATTGGGGCCCA
CCGTTTTTGGTNGGGAAGNCTTCAANTTTACCAAAAAAAGCCCCAAANGAATGGCCC
CCATTTTGGTNGGGGGCCCCCTTGGGGGCCAACCTTTTGGGGAAGGGTTCCTTCTTTCTT
CCGGGGCAAAAAGTTGGAAAAA

Sequence 2816

Table 2

GCCGAGGTACTTGAGCTCCACAAACGTGGCCATGGTTGGTGCGGAANTGATTCTGAGTGA
GCAGGTANAAAGTCTCACGTCTGCTGNGTCCAGAGTTGGTTCCTTCCAAGAGNGTTCT
GTGGTCTCGCTTGGCTTCAAAGNAATGGAAGCCCCGACGGCACCTTCACAGTNGTGGTAGT
TACCACGCCTGTTANAAAGGATNGTTNGNGGTCTAGGGAAGTCTTGTCCCTTCANTAT
GGAAGNTATGGGGGAAGATTCCCTCCCTTTCTTGGGTGGGNGTTTTGTNGGGTTGGTCC
GCCTGNACNTTCAAAACAAATTGAAAACCCCGCCAAGACNTTANTNCGCCGGGGTGGAA
TACGGTATGGTAAGCNTCTTTTAAAAAAGGGGTGGGGTTGGTNGGGACCCCAAAAAGGA
AGTNNANGCCAAGCCAANACCAANGAATTTTTTTTCGGTCCAAAGGTAAGGGNTTAA
GGAAACCAAAAAGTTTTTCCACCGGGTTGGTTGGGAAAAGGGGGTTATTCCTTGAAGC
CGGGGTTTCCCTTGCTTCCCCCGGCCGNTTACCCTTGCC

Sequence 2817

TCAAAGGGGGTTTCCGGNATCTNCCNCGTAAGGAAGTGTGCAAGCCCTTGAANAAAA
CCGGGCTTACCCCACTNTTCCCAAAAGGGTAAAAGGGTCNAANCCAAGCGTCCGGCCGAC
CAAANAATTNACNCNCCACNTTCCCGNACTCCNGGGGGTGCAAGTGGTNAAGGTAGTAC
CGGATACATANAGAAAGATATACATTTACNCATTTTATANAGAGNGGTGACCCCTTTN
GGGGGCGCCGNNTTNCCTAANGAAAACCTTNAGNGTGGGGGNATTCCNCNCCCCCGGG
GGGNCCNTTGGNAAAGNGGGAAAAANTTTCCGGGAATTAANTTCCAAAAGNCCNTTNA
TTTCTGGAANTTAACCCCCGGGNTCCCGNAACNCTTTNNGGAAAGNGGGGGGGGGGG
GGGCCNCCCCTNGGGNTTANCCNCCCCAAGGNCCTTTTTTTTTGGGTTTTTCCCCCTCT
TTTTTTAAAAATTGGGAAGGGGGGGGTTTTTA

Sequence 2818

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGTGGGTTCTGAGTCAAGGATC
CCAGTGCTGCCAGGAACCAGCAGTCAGCTGCGCCTCCTTGTGGATGTCAAATCTGCTTA
TATCATCCAGGATGAAGTGAGGAGGACCCCTGGTAGATCCTGTGGCCGCTTCCATATCA
CATTGGAGAGGCGTTTTTCCCTGGAGCAGCTTCTGGCCTATGGAAGAATCTGCTGCAGGGA
ATGTCTCATCCTTAAACGTCCGGCCCATGCTCAGGCAGTGATCCCGCAAGGTGGTAAAGT
CCTGGTCTTTGAACCTTGATGATGGAGGTCTCCACTGAAGGCTCCTGGTAATACGCCATGA
CTCTCCTTAGAAGACTTCCGAGGTCTTTCCTGTTTCTAGGCAGGTGTGTCTGATGGAG
GAGGGGAGACGGGCAGGTTCCACAGGCTCTCAGGTTAGAGAGTGGTGGAGGAGACTGGCA
GAGGAGGAGAGCATGGC

Sequence 2819

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCCGTCTCCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGAC
GTTTAAGGATGAGACATTCCCTGCAGCAGATTCTTCCATAGGCCAGAAGCTGCTCCAGGA
AAAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGGTCTCTCTCA
CTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGAGGCGCAGCTGACTGCTG
GTTCTGGCAGCACTGGGATCCTTGACTCAGAACCCACAGTACCT

Sequence 2820

CACCGCGGTGGCGGCCCGCCGGGCAGGTACAGGACNTNATCCCTGCTTCATTCTTGGCTG
ACACAGTATACCACCAGCATCTTCTTTTGGGCTCCCTGAATGAGCAGGCAGATGTAGC
CGTGGTTGCTCCTGGTGCATGCTGGAGAAAAGGATAAAGTCATTAGGGTTCTAAATTTTT
AAAAGTGGCTTTGGACATGAAGCATCATTTTTAATTAGATCATTAGAAACAGAATTGTGC
AAGTAGCTGATAATAGGGTCATACTTATTCTGTANGAGGATTACTTAGCTCCATTTAAAG
TTAATGGGGAGAAAAGAACAGGACGTCAAGGAAGTTGAATACCATCTGTGTTGCCTTAA
TTCTAGTTTGAGGGAATCTTGCCCTTTTACCAAAAAACCCACTTGGAATAAGTTCTTT
TTATCACTTAAAGGCCAAAAATGGAATTTCCATCCTTNTTCTTTTTTAGGATTAGGAAN
TGGATAAAACCACCTTTTTTTAAAGGAAAAATCCCACCCATTTANGGATTCAAAAACCA

Table 2

CCCCCATTANGCNTTNCCTTTTCTTAAAAAGGCCTTTAAATCCCTTACCAATTTGG
GGGTTAAACCGCCATGGGNTTTTTNGGTCTTTTGGAAATTGGAATATTCCATCCAAAA
AAANTCAAAAAACCAATCCTTAATGGTGGGGCCT

Sequence 2821

AGGTAAGTGTGGGTTCTNAGTCAAGGATCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTTGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
ANGCAAGTGATCCCCGCAAGGTGGGTAAAGGTCTGGTCTTGAACCTTGNATGAATGGA
GGTCTCCACTGAAGGGCTCCTGGGTAATACCGCCATGGACTCTTCTTAGAAGACTTCCC
GAGGGTCTTTTCTGGTNTTCCCTAGGCCAGGTGGTGTCTTGATGGGGAGGAAGGGGGA
GAACCGGNNCAAGGGGTTTCCACAAGGGCCTTCTTCAAGGGTTTAAAAAGAAAGTTGGNT
GGGGANGGGAAGAACTNNGGGCCCTAAGGGGAGGGGAAGNAACCNATNGGCCCCGGGGCC
CGCNTCNTAAGAAAACCTAAAGTGGGGGATCCCCCCCCGGGGGCCTGGCNAGNGGAAATT
TTCCCAATTANTCAAAGGCCTTTTATTTNNGGATAACCCNNGNCCGGAACCTCCAGAGG
GGGGGGGGGGCCCC

Sequence 2822

ATCTGGACTGNNTCAGGCAAAGCCGGGGAGTAACNTTAGTTTTGCTCCTGCGATTATT
CAACTGACGGGCTTTTCATTTCCATTTACACACCCTAGCAACACTTATACCTTGCAGGAT
TGTATTGGTAGCGTGAAAAAAGCACACTGAGAGGTNAAAAAAAAAAAAAAAAAAAAA
AAAAAAGTNCCTNNGCCGCTCTANAACCTAAGTGGATCCCCGGGCTGCAAGGGAATTCTN
ATNTTCAAGCTTTATCNGAATACCGGTCCGACCTTCGAGGGGGGGGGCCCCGGGNACCCC
AAGCTTTTTTTGTTTCCCTTTTAAGNNGGAGGGGTAAATTTGCNNCGCCTTGGGCGGNA
AAATCAANTGGGTNAATAAGCCTGGTTTTNCCCTTGTNGGNGGAAAAATTGGGTNTATTN
CCCNNTTCAACCAAAATTTNCCAACAACCAAAACCAATTAACNGGAAGCCCCGGGGGA
AGCCAATTAATAAAGGTGGTTAAAAAAGCCCCCTTGGGGGG

Sequence 2823

GACCGGTACTCACCCGGGGTCTGATGAAGAAGCTGNTGTGGATCTTGGCAAACTAGCT
CATCTGNGAACACCAAGTTTGAAAAAGAAGACTAGAAAGTCATAGAGCTGTATATATTG
GGTGTTTACGTCCTCGTTTAGTAAAGAGAGTTCCGTGGCGTCATAAGGCCATCNGCGGTA
CCACAAAACATCACCCACCCATAANANAAGNANNANTATGAAANAAAAAAGANGTTCCC
TTCGGCCCCGCTCTTAGAAACCTAAGTGGGAATCCCCCGGGGCCTGCCAGGGGAANTTTC
GATANCCAAAGCCTTTATCCGGAATACCCCNNTNGAACCTCNGAAGGGGGGGGGCCCCC
GGGNAACCCCAACCTTTTTGTTTCCCTTTTTAGTTGGNGGGGNTTAAATTTGCNGCC
GCCTTGGGGCCGGTAAATCCATTNGGGTCCAATAAGCNTGGTTTNTCCCTTGNTGGTGG
AAAAAATTTGGNTTAATTTCCGNNTTACCAAATTTTCCCNCCAACCAAAACNATTTA
CCCTAAGNCCCCGGGGGAAGCCCANTTAAAAGGGTGGNTNAAAAGGCCCNTGG

Sequence 2824

TGCTGGTGGTGGTGGTGGTCTACATTCAGTGNNGAAACCCAGCCAGCCCCTAGGGGGTGC
TAACTCTGATGGCATCCTAAATTTAGCTGGTGATTTCTTTCCAACGACTGGGCCTTCCA
GACCACAGACCACATCAAAGCTTAGAGAAGCTTATCTGGAAGATATGAAATCACAGGTAG
AAAAAAGCAAAGCATGGACAGTGATCTTTATATGCATCCCTACACACACATATACATA
TGATACACATGTATAAATACACATATACATATGCACATATGTATATGTGTGTNCGCGG
GAAGTCACCACCGTGGCCTGCGACGAAATGGCGAAAAGTCTTTTGAAGACAGCCTCTCTG
TCTGGAAGGACAAAATTGCTACATCAAACAGGATTGTCACTTTATAGTACATCCCATGGA
TTTTATGAGGAAGAAGTGAAAAACACTTCAGCAGTTTCTGGNGGATCCATTGACCTTC
AGAAGGAAGACAATGGCATTGGCATTCTTACTCTGAACAATCCAAGTAGAATGAATGCCT
TTTTAGGGGTTATGATGCTACAACCTTNTGGGAAAAA

Sequence 2825

Table 2

TCCCCGCGGTGGCGGCCGAGGTACCTGGCATAAAATAAGTTACTGTGGTGGCCAAAGTAA
TAACCCCCACCGCCACCAATTGCTCATGTCCTATGTTACACAGCACAAATTACATAGGAAG
GGGGAATTAATAGTGCAGATAAAATTAATGTTGCTCATCAGCTGACCTTAAACAAGATT
ATCCTGGAGTATCTAGGAGAGCCCATGTAATTACAAGCATTCTTTATAACTGGAAGAGGG
AGGCAGAAGGTTAAGAACCAGAGACGGTGGGCACAATGGCTCATGCCTGTAATACCAATA
CTTTGGGAGGCCAGGGTAGGAAAATCCCTTGAGTGCAGGAGTTCAAGGCCAGCCGTGGCA
ACATACTGAGGTCCCATCTCTGAATAACATGTTGCCAGTCAGTTTCTTCTTCTGGATTCT
AAGAAGTCTTTCATGGTAGGTCCAGAATGAAAGGTGATGTCTGGTGCCTCAGGTGTGTTGA
GGGCCCCATGCCTGGACTATTGGGTGCTGAGTGGGATTTACTTTGTCCATCCATTTTTAT
ATTCCCACTGGGGAAAACTTA

Sequence 2826

ATTGGAATCCACCGCNGTGGCGGNCGCCCGGGCAGGTAAGTCTCAGCTCCACAAACGTGGCCA
TGGTTGGTGGGAAATGATTCTGAGTGAGCAGGTAGAAGTCTCAGCTCCTGCTGTGTCCA
GAGTTGGTTCCCTCCAGAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACC
TTCACAGCGTGTGTTACAAGCTGTTAAAGATGTTGTGTCTGGAGTTTGTTCCTTCAGATG
TGTCTGGAGTTTCTCCCTTCTGGTGGGTTTGTGGTGTCTGCTGACTTCAAGAAATGAA
AGCCCCGAAGACCTGTCCGTGGGTGAATCCGTTGNTAGGCTCTTTAAAGGTGGGTTGTGG
GACCCCCAAAAGGAAGTNGAGCCAGCCAGCCAGGATTTTTTCGTTCAAAGGAAGGGGT
AAGAAACCAAAAGGTTTTTCCACCGGGTGGTNGGAAAGGGTTATCNTTGGAGGCCGGGT
TTCCCCCTTGCTTCCCCCCCCGCGGTACCCCTCGGGGCCCGGCTTCCCTTAAGAAAACCTAA
GTNNGGAATCCCCCCCCCGGGGGCCTTGCCANNGGAAATTTTCNTGAATTATCCAAAG
CCTTTTATTTCCGGATTACCCCGNTNCCGNAACCCCTTCGGAAGGGGGGGGGGGGGCCCC
CCGGGGTTACCCCCAAGCCTTTTTTGGT

Sequence 2827

CCGGGCAGGTACCACACCTTCCGGCCAGCTGTCCTCCTGCTGATGTTCTCAGTGTCTAC
AAGGCCTTTGTTATGGAGACCTTCGTCCACCTCTGCTCGCTGGGCAGTTGGGCAGCTCTA
CTGGCCCGAGCAGTGGAACGAGGCTGCTGGCCCTCAGCACTTTGGCCCTGTATGTCGCC
GTTGTCAATGTGCACCTCCTAGGCTTGGTGTCTCAGACATTTGATTGTACCT

Sequence 2828

AGGTGGCCATTGATGCANAATATCGCCACATTGACTGTGCCTATTTCTATGAGAATCAAC
ATGAGGTGGGANAAGCCATCCAAGAGAAGATCCAAGAGAAGGCTGTGATGCGGGAGGACC
TGTTTCATCGNCAGCAAGGTGTGGGCCCACTTTCTTTGAAGNAGACCCCTTTGTNGAGGGA
AAGCCTTNTGANAAAGACCCTCAAGGGACCTGAAGCTGAAGCTTATCATGGACCGTTCTT
ATCTTTATTTACCTTGGGCCCCACAAGNGGGATTTTCAAAGAACTNNGGGGGGAATGAAT
TTTTTTCCCCCAAAAAGGATNGGATTAAAAAGGGGTAAAATTAATGGAATNCAAGCTN
GGGAAAAAAGGGGAAAAACCGTTTCTNTGGGGATTGGCCCTTGGGGGAAGGGCCCCATT
GGGNAAGGGAAAGNCTTGNGGTTGGNAACCNNAANGGGGGGCCCTTGGGTTGAAAAANGC
CCCCTTTTGGGGG

Sequence 2829

AGGTACAGCATGGGGTATTGGGGTCTGGGGATTCAATTGAATTGTGGTTGGCAGGAGCAAG
CCCTGCTCACACTCTCACACTCGCACCCAGAATTGTCAAAGATACAGATNGTAAAAATCT
ACGATCCCTCAGTCTCACTCACAAAAATAAAATCTCATGTCCCCAACNGAACCCAGAGT
CAGACGACAGCTGGAGCATTGGCAGGGACAGTCAGAAAGGAGACAAGTGAAAACGGTCAG
ATGGACACAGGCNNGGAGGAGAAAAGACAGAGGGAGAAGAGGACCATCGGGGAACCAATCA
AGAGGGGCCGAGACCGATCCAGGAAAAAGGTCAAGCCCCGAGTACCAGGCCTGGAGCC
ANGAGTTTTCTTAGNAAGCCAGNTTTCCCAATTTCAAACCGGGCTTCCGCCTTTTGTNA
GGGGCCCCAACCGTTGAACCTTAAGGCCCGAAGGGCCTTGGCAAGAAAAANCCGCCTTNA
ACAACCACCTTCAACGGCCGGCCACGGNCACCAACAACACCAATCCCANTATTAATA
AATAAGTATTTTACCTTATTACCATTAATTAAGGATTATAAATNTGGCCCTTCCGGGAA

Table 2

AAACCCAAGGGAAAAGGGGGGANTAAAAATAAGCCTTAAAGGGGAAANTGGGGGGTCNTT
GGGGAATTCAAGGGAAT

Sequence 2830

CACCGCGGTGGCGGCCGANGTACTGAGCTCCACAAACGTGGCCATGGTTGGTGCGGAAAT
GATTCTGAGTGAGCAGGTAGAAGTCTCACGTCCTGCTGTGTCCAGAGTTGGNTCCTTCCA
GAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTCACAGTGTGTGTTA
CAGCTGTTAAANATGTTGTGTCTGGAGTTTGTCTTCANATGNTGTCTGGAGNATCTCC
CTTCTGGTGGGTTTGTGGTGTGCTGANATTCANNAATGAAGGCCGCNNTACTGTCTGG
GTNATCNGTNGGNACCTTNNNTNNNNAGNGGGNTGGACCCANAAGAGTTGGAGCCANN
TAGCCAAAGAATTTTTTTCGTCCACNCAGGNTGGANCANNCAAAGAGTNTTCCCN
CGANTGGTGNGTAAAAGGGTATTCTNTANAAAGCCGNTTNNCCTTGCTTNTCCCCCGGN
AACCTTGCCCCNGGGCNCGTNCNCGCGTNCCTTAAGAAACCNTAANTTGGGAAANGNC
CGGNTNGGGCCTTGCCATTGNAATTTCTNGTANTANTCCAAAAGNCNTTTATTCCGNN
TTANNCNTTNCGAACCCNTTCCCAANGGGG

Sequence 2831

AGGTACCAGTACTGCCTTGTGTGTCTTCGATGCACATGATGGGGAAGTCAACGCTGTGC
AGTTCAGTCCAGGTTCCCGGTTACTGGCCACTGGAGGCATGGACCGCAGGGTTAAGCTTT
GGGAAGTATTTGGAGAAAAATGTGAGTTCAAGGGTTCCCTATCTGGCAGTAATGCAGGAA
TTACAAGCATTGAATTTGATAGTGTGGATCTTACCTCTTAGCAGCTTCAAATGATTTTG
CAAGCCGAATCTGGACTGTGGATGATTATCGATTACGGCACACACTCACGGGACACAGTG
GGAAAGTGCTGTCTGCTAAGTTCCTGCTGGACAATGCGCGGATTGTCTCAGGAAGTCAGG
ACCGGACTCTAAACTCTGGGATCTACGCAGCAAAGTCTGCATAAAGACAGTGTGTCAG
GATCCAGTTGCAATGATTTGTCTGCACAGAGCAATGTGTAATGAGTGGACATTTTGACA
AGAAAATTCGTTTCTGGGACATTGATCAGAGAGCATAGTTCGAGAGATGGAGCTGTTGG
GAAAGATTACTGCCCTGGACTTAAACCCAGAAAGGACTGAGCTCCTGAGCTGCTCCCGTG
ATGACTTG

Sequence 2832

AGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAACTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCGCAAGGGGGTAAANTCCTGGTCTTTNGAACTTTGATNGATGGGAGGT
CTCCACTGAAANGCTCCTGGGNTAATAACGCCCATGACTCTCCTTTAGGAAGAACTTTCC
GAGGGNCCTTTTCTTGTTCCTTAGGTCNGGTGGTGTCTNTGATNGGAANGGANGGGGG
AANAACNGGGNCANGANTTCCACAGGGCCTTCTCNAAGGTTTANTANAAAGTTGGG
TTGGGAAGGGAAGAACCTGGGNCACCAAGGNAGNAGNANNCCTATTGGGCCCCCGGTCTN
CGCTTNTTTAGNAAACCTANGGGGGGGAATTCCC

Sequence 2833

CCGGGCAGGTACGCGGGGGCTCAGTTAGGACCCAGAGGGAACCATGGAAACCCAGCGCA
GCTNATCTTNTCCTGCTACTCTGGCTCCAGATACCACCGGAGACATTGTGTTGACGCA
GTCTCCAGGCACCCTGTCTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAG
TCAGAGTGTAGTAGCANCTCTTTGGCCTGGTACCTCGGCCGCTCTAGAATAAGTGGGA
TCCCCGGGGGCTGCAGGGAATTCGATATCAAGCTTATTCGATACCGGTCGGACCTTCGA
GGGGGGGGGGCCCCGGTACCCAGCTTTTGTTCCTTTAGTGGAGGGGGTTAATTGCCGC
CGCCTTGGCCNTAATTCATGGGTCAATAGCTGGTTTCTGGNTGTGAAATTGNTTAATCC
GCTTACCAATTTCCACACCAACATTACCGAAGCCCGGGGGAAGNCATTAAAAGGTGGT
AAAAGCCNTGGGGGGGTGCCCCATAATNGAAGNTGGAAGGCCTAAACCTTACCAATT
TAAANTTTGNCNGTTTTGGCCGGCTTCTNACTTGGCCCCCGGCTTTTTTCCAAGTCCGG
GGGAAAAACCCCTTGTTCGNTGGCCNAANCCTTGCCAATTTTAAAATGGAATTC

Table 2

GGGGC

Sequence 2834

CCGGGCAGGTACGCGGGGCTCTTCCGCTTCTGTGGTCTGATCTTCCTGCGGGCTGAACCGC
CCGGCTGAGCCGACATTGCCGGCGTCTTGGCGATTGCGCCCGACGAGCTCCGCTTTGCGT
ACAGCATGGTGGCCTACTGGAGACAGGCTGGACTCAGCTACATCCGATACTCCCAGATCT
GTGCAAAAGCAGTGAGAGATGCACTGAAGACAGGAATCAAAGCAAATGCTNGAGAAGAC
TTCTGGCAGCAACGTAAAAATTTGTGGAAAGTANAAGAAGGGAATAATCTACCCCTGGAC
TAAAAGCTTGGAAAATGCTTACCATTTTCCAAGGTGGANAGATTGTTGTTGGGGCCACAA
TGTTTATGGGCCANGATTGANAAAGGGGATCTCATTTCCATTGGAGGAAAAAGAAANTAT
AATTANNTTNNTAAGNAANGGGTTACCCTTCGGCCCGCTTTTAAAGAACTTAAGGNGGG
GATCCCCCGGGGCCCTGCAGGGAAATTCGGATTATTCAAAGCCTTATCGGANTACCC
CGTCTGACCCCTTGAAGGGGGGGGGGGGGCCCCCGGGGTACCCCCA

Sequence 2835

GCCCCACCGCGGTGGCGGCCGCCCGGGCAGGTACCTATCCTTNCAGCCTCAAATTCGCGG
CCAANCTTGTTTCATTTATAGTTACTCCCAGCCCCACGGATTCAAAGGAAATCCAGACA
TCCTATAATTCATCTTCATGTTGAAATTTAAAAAGTTTGAAAATTCACCAAGATGTAAT
ATATATGCACCAAACATCAGAGCCCCAAATATATGAAACAAACATTGACAGAATCAAAGG
AAGAAATGGATAGTTCTACAGTAAGAGTAGGAGACTGCAGTAGCCCCACTTTTCAGTAACC
GGATAGGGACAACCCAGGACAGGAAGATCAGTCGCAAAGGACCAGGAACCTTGGAACAGC
CATCATACCAGNCTGGACCTTAACAGNACACCAACAAGCAGTACCTCGGGCCGCTCTAGG
AACTAGGTGGGATCCCCCGGGGCCTGCAGGGAATTCGATATCAAGGCTTTATCGGATAC
CCGGGCGGACCCCTTCGAGGGGGGGGGGGCCCCGGGTACCCAGNCTTTTGGTTTCCNTTAA
GTGGAGGGGNTAAATTGGCGCCGCTTGGGGCGTAAATTCATGGTCANAAGCCTGGTTTCC
TGNNNGNGGAAATTNGTTATTCGGGCTCAACAAATTTCCNNACCAANCATTANCGAAGC
CCGGGGGAGCCANNAAGNTGNTAAAGGCC

Sequence 2836

AGGTACCCCGGCCTGGGCGATAAGACCAAGACTCCGTTTCAAAAAAAAAAAAAAACTAA
TACAAAACAAGAGTTTGACATTTTACCCAAGATTTTGCAGCATCTGCTCTCTATGTATT
GTCTCANATTTTGGACAGTCGCTTCGTGATTTTGCATTTTACCCAGGATATTGCAACAT
CTGCTCTCTTTCTATGATTTGTCTCGGATTTTGAACATCACTTCGTGATTTTGAACAT
GACGTTCCACGCAGTTTGGCTCATTCTCTACTGCCACTGTTTCAGCAGCTTGCGTTTAGA
AGTGCATCCAAATACTCTCTGGGTGNGGGTGATCTCAGGGCCAGTCACCTGGNGTCATCT
TAAGTGGATGGAGACACTACTCCAGGAGTCCTGTNGCACCNGATAAATAGTTGACAAATA
TTTGACACTGAACATGCTCTGGGCCACCCAGTGAATCCCCATGGCCATGTAACCTGAAG
CAGAAAGAGCTTTTCTTCTGNGTTCCTCTCCGGGGCAAACCCTTTCATTTCAATGGGAG

Sequence 2837

AGGTACTGTGGGTTCTGAGTCAAGGATCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGGCCATGCTC
AGGCAGTGATCCCGCAAGGTGGTAAAGTCCTGGTCTTTGAACCTGATGATGGAGGTCTCC
ACTGAAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGACTTCCGAGGTCTTTCTCT
GTTTCTAGGCAGGTGTGTCTGATGGAGGAGGGGAGACGGGCAGGTTCCACAGGCTCTCA
GGTTAGAGAGTGGTGGAGGAGACTGGCAGAGGAGGAGAGCATGGCCGGC

Sequence 2838

CCGCGGTGGCGGCCGAGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATCATCAGGCT
TGGCTTGGAAATTACATACTTTTCCCACCATCTTTTGATAATATCAACGTAGGGACTC
CATCTACTTCCATGATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTTTTCT

Table 2

CAATCTTCGCCATTGGGAATCAGTTGGGCTTTTGGCTTCTCTCTCCCTGTGTGAGCCAGT
AAAGGGGATAATAAGGATCATTGTTTATATTCTCTGTGAATTTATAATTAATGAAAAAGG
ATTTTGTGATCTTAAGCTGTAGACAATTTGGTGTGCTTTACATGTCTTTCTGTATGGT
TCTGGTATCTCAGGCAGCAGAGGAAGCAGCTTGCTGCCCTTAGTCAAAGTCTTCCTGGA
AACCAGAGCCAGGTCCAGCTNCAGGACACTGTGCAAGCAAGAGCACAGCAGGTCCCCG
Sequence 2839

CACGCTGGTTTTGCATCTTCAGGAGACGCTCGTAGCCCTCGCGCTTCTCCTCGGCCAGTT
CGCGGAAGAAGTGGCTCACGCCCTCCAGAGCCACATCATCGCGGTGAAAATAGAAGCCCA
GAGAGAGGTAGGTGTAGGAGGCCTGCAGGTACCT

Sequence 2840

CCGCGGTGGCGCGGCCCGCCGGGCAGGTACCTGAAAAACAGCTGGTAGGATGGAGGAACT
GAGCTTTTAAATAGGCAAATGTGGCTAGGAGCTACCATACTGGACAGCACAGTGTATTAG
TTTGGTGCAAAAGTAATTGTGGTTTTGGCCATTTTAAAGTGGATTGGTAAGCCTGGCTAT
TTAAAGTGTGGTCCACAGAGCAGGAGAATCACTACACCTGAGAGCTGGTGGAAATGTAGA
TCTCTGACGTTAGCATAGGCTTCTAAATCAGAACTGCATTCTAACAGATCTCCTGGT
GCTTCTCATGCACAGTAAAGTTTAAAGTTAGGAGATGCATACAAGTGGTTCTCATCCT
GACAGCACTTCAGACACAAGTGAAGAACATTAAGAAAGCTGAGCCTAGGTACACCCCTT
CCACCCAGAGATTCTTAAGTTAATGGGTAAANGCTTGGCCTGAACATGAAAAGTTTTAA
AAGCACTCTTGGGGGATTCTAATAAAAAATTCGAGACCATNCCAGCATAAGCCAGTNCNTNG
GGNCGTCTAGACTAGTGGATCCCCCG

Sequence 2841

CCGGGCAGGTACCAGGGGTTAGAACTTCAGTGGATCAGCTCTGGGGACACAGTTCACCT
CATGGCACTAACTGTTCCCTGGGCCTCTGGCTGATGCACAGAAGAAGGAATATGCCCTTG
CAAAGAGTTTCTTTGGTGTTCATGAAAACTTGGCAGCTTCATAGATGGAGTGGGTT
GATGGCCCTTGAGGTCTTCAGGCACTGACAGGAGGATACAAAATCAGTGTCTTGAGCAA
AATCTAAACCAAGGTCACTACAGGCAACCGGAAATTTGTCTCTGATGGTGAAGCAAAAC
AACTAGTACCT

Sequence 2842

CGCCCGGGCAGGTACAGAATTTTGGGAGAGGCCATTTGGCAAGCCATTGGTCTGAATAAT
TTGGAGGGGGAAATCCTAAGGTGGTGGAGTTGCTGCGTGGACACGGCTATAGGTTGGTGT
GACATGATTCGCATTAATTGTTTGTGAGCTGTGAGTAGGCTGACCTAACGTTCTAGCAT
GCCTCTTGAGGGCCTTCCAAGTGAAGCTCTCTGGAGGAGGGTAGGAAAGTCAGGGAAATC
ATGCAATCCCATCTGGGGAAGGGAAAGCATCTCAAGATTTGNGAGGTTCCCTGGGAAAGG
TGTTTACCACAAATGTACATCAATTAAGGAAAGTCTGCNNANAGAGAGAGAAAGCCAA
GATCAGGGGTAAAGAGAGAAAGGCAAGGTAGCACCGGGGAGCTTGGGCATGACACAGAAAC
ATCTCTGCTTTTACCAG

Sequence 2843

CGAGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATCATCAGGCTNNGCTTGGAAAT
ACATACTTTTTCCACCATTTCTTTTGATAATATCAACGTAGGGACTCCATCTACTTCCAT
GATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTTTTTCTCAATCTTCGCCAT
TGGGAATCTGGTATCTCAGGCAGCAGAGGAAGCAGCTTGCTGCCCTTAGTCAAAGTCTT
CCTGGAAACCCAGAGCCAGGTCCAGCTCCAGGACACTGTTGCAAGCCAAAGAGCACAAGC
AGGTGGACCCCCGCCGTACCTGCCCGGGGCGCGCTCTAGAACTAGTGGGATCCCCC
GGGCTGCAGGGAAATTCGATATCAAAGCTTATCGGATACCGTNCGACCTCGGAGGGGGG
GGCCCCGGGTACCCAGCTTTTTGTTTCCCTTTTAGTGG

Sequence 2844

ANCGGCCGCCCGGGCAGGTACTGAGCTCCACAAACGTGGCCATGGTTGGTGCAGAAATGA
TTCTGAGTGAGCAGGTAGAAGTCTCACGTCCTGCTGTGTCCAGAGTTGGTTCTTCCAGA
GGGTTCTGTTCTCGCTGGCTTCAAGAATGAAGCCGCGGACCTTCACGGTGTGTGTACA

Table 2

GCTGTAAAGATGTTGTGTCTGGAGTTTGNTCCTTCAGATGTGTCTGGAGTTTCTCCCTT
CTGGTGGGTTTGTGGNGTCNCTGACTTCAANAATGAANCCGCAGACTGTCGCGGTGATCG
TTGNANCTCTTAAAGGTGGTGTGGACCCAAAGAGTGAGCAGCAGCAAGATTTTTCGTCAA
GAGGGTAAGAACAAANTTTCCACGGCGTGGAAGGGTATCTGAGCGGNTCCCTGCTNCCCG
CGTACCTTGNC CGCTCTAGAACTAAGTGGATCCCNCGGGCTGCA

Sequence 2845

TCCCCGCGGTGGCGGCCGAGGTACACGCTGGTAGCAAAGCTGCTCATTGTGGGTGACGGC
TCGAGTGATCACAAGCACTTCTTGGAAGAGGAAAAACATGCAGTTTCTAGAAGAAAAAAT
CCACAAGCTTTCATTAAGCAATAATGTAATGAGTGGTTGATATGTGGACCTCTGTGGATA
AAGAGGTCCCCAG

Sequence 2846

TCCCCGCGGTGGCGGCCGCGCCGGGCAGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGA
TCATCAGGCTTGGCTTGGAATTACATACTTTTCCCACATTCTTTGATAATATCAAC
GTAGGGACTCCATCTACTTCCATGATGTTAAACAGTTCTGGCCTTTTTCATCGTGGGA
GCGTTTTTCTCAATCTTCGCCATTGGGAATCAGTTGGGCTTTTGGCTTCTCTCTCCCTGT
GTGAGCCAGTAAAGGGGATAATAAGGATCATTGTTTATATTCTCTGTGAATTTATAATTA
ATGAAAAAGGATTTTGTGATCTTAAGCTGTAGACAATTTGGTGTGCTTTCATGTCTT
TCTGTATGTTCTGGTATCTCAGGCAGCANAAAGGAAG

Sequence 2847

CTCCCCGCGGTGGCGGCCGAGGTACTCTCCAGTGACATGCTTCTTGACCACAATGGATG
AACTGTGCCAGCATGCCCACTTCCAATGCTCCACTGATCCCCATGTTTGTCTGAA
GGACAACCAGCCTTGGAATAATGGCAAATACCTTCTTAAGTTCCACAAAGTATGGTCCC
TGGGAAGTTTATGTCTGTAAGTCAAACCTTGGGAAGTAACTGAGTTTGTGCTCTCTCC
AGCATCATCAGCATCATGCTATTACAATCCCAAACCATGGGGTTTCTCACAGCTTTACA
CCAAAGGGCATCACTATCCCTCAAAGAGAGAAACCTGGACACATGTACCAAAACGAAGAT
TACCTGCAGAACGGGCTGCCAACAGAAACCACCGTTCTTGG

Sequence 2848

GCGGTGGCGGCCGAGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCA
GCAGTCAGCTGCGCCTCCTTGTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTG
AGGAGGACCCCTGGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTTC
CTGGAGCAGCTTCTGGCCTATGGAAGAACTGCTGCAGGGAATGTCTCATCCTTAAACGT
CCGGCCCATGCTCAGGCAGTGATCCCGCAAGGTGGTAAAGTCCTGGTCTTTGAACCTGAT
GATGGAGGTCTCCACTGAAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGACTTCC
GAGGTCCCTTCCCTGTTTCTAGGCAGGTGTGTCTGATGGAGGAGGGGAGACGGGCAGGTT
NCACAGGCTCTCAAGTTANANAGTGGTGGAGGANACTGGGCANAGGAGGAGAACCCTTGGC
CCGCCCGCTCTAAAACTAGTGGATCCCCCGGGCTTGCNNGGAATTTNCAATATCAAANCT
TTTTCGAATTCGCCGGCGACCTCGANGGGGGGGCCCC

Sequence 2849

CCGGGCAGGTACTCATTGAAGTTGAGCTCCGAGTCCCTGATTACATCCAAGCTCTTCATC
TTCTCATCAAGAGAGCCCACATCCTGAGGAGACACCAAAGGGAAGGGTAGAGTTAGAAAC
TGGGGTTCTTGAGAAAGTAGGGAGGGAAGAACTGTCAGCTGCTATTCTCTCAAGGCCCTT
CCCTCAGAGAGCANTGGCACCTGCCCTTCTCTAAAGAAGAAGGCTGCAGCCCCAAACT
GCACCGCCACGGGGTGCCTCTCCAAGGAGCACCAAGCAGGAGAAAGGTGGGGGGGGCCTG
AAGTCCCTAAGTGCTTGCCCGNTGTGTAAATACTTCCACGATGACCCGCTTACAAACCAC
CAAAACAGGTTTGTCCGCTTGAATACANAAAGCCTGGNAAAAGAAATCCACACAATCTTT
TNTTTTCACCCAGCACACCCACTTGCCAGCTTGCCTGGTGGGAATCGGGCCCCAAAGGGA
ATTGCCAGGCAATTCTTCAAGGGAAGGATGNTTGGCAAGGGGTTTGGGAACCCCCAGT
TCAAGAAAGCCCCCTTTCTTGGGGGGGCC

Sequence 2850

Table 2

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTCCNNGGCCTCANACTACTGTTTCTA
TAATGGGATNTTTTNTTACATGAGGTCTCTGAGGGCATAGTTATTTTATTAAANAAACNCN
CTTCATAAAATTGCATCCATGTTTGGNAATCTAAAAAANCCAATNTAGATGACAGAAGCT
TCTGACTATAAATTATAAGTAATCTTATCCATACNTNCNAGAGCTAGNGATTTATTAA
GTNCTNACTGNACTTCCAAACACATNTAAGTTTTCCAAAAAGATTTCAAAAAANCAATT
CACTGGCAGCAAGCCAGAAAAAGTTTCAAGGGGATAAACTGCTGAAANACAGGTGGTGNCTG
GTAAGGGGGCTCCTGGGTAGGGACTTTTTTGCNTGGAAGCAGCTGCCATGGTTATACCCTG
GGGCCAGCCAATTTTAAACTT

Sequence 2851

GCGGTGGCGGCCCGCCGGGCGAGGTACGCGGGGACCTGCTGTGCTCTTGCTTGACAGTGT
CCTGGAGCTGGACCTGGCTCTGGGTTTCCAGGAAGCAGTTTGACTAAAGGCAGCAAGCTG
CTTCTCTGCTGCCTGAGATACCAGAACCATACAGAAAGACATGCAAAGCACACCAAAAT
GTCTACAGCTTAAGATCAACAAAAATCCTTTTTTATTAAATTATAAAATTCACAGAGAATAT
AAACAATGATCCTTATTATCCCTTTTACTGGCTCACACAGGGAGAGAGAAGCCAAAAGCC
CAACTGATTCCCAATGGCGAAGATTGAGAAAAACGCTCCACGATGGAAAAAAGCCAGA
ACTGTTTAACATCATGGAAGTAGATGGAGTCCCTACGTTGATATTATCAAAAGAATGGTG
GGAAAAAGTATGTAATTTCCAAGCCAAGCCTGATGATCTTATTCTGGCAACTTACCCAAA
GTCAGGTACCTCGGCCCGCTCTAGAACTAGNGGAT

Sequence 2852

AGGTACAGATCCACAGCCTGTCAGTTGCACCCCTCCCTGACACCACCACCGGGACCTGCAC
AGACTGGGAGTTTCTTCTGCTCACTGGGGCCTGCCTTCCCCAGGCTGGTGTCTTCTG
ATAGCCAAACTGAGGGGTGGGAGGTATTTTGAATGCAGATTTAATTATTCATGTGTGGT
GAGGCCAACAGATCAGGAGATAACTGCCACTGAAATGATAGTTTGTACACACAGTTCCC
AATGGGAGGGGACATGCCACACACGGTGGGGGTACACAGGGAAGCACCAAGGTCAGCTG
GGAGGTAGAGGGAGCCAGGGAGAAAAAGTGGGCAAGAGCCTTTATTGTTTTCCATGGGAGG
GAACGGACAAGGATTGAGTAAGTAGGTTTAGGATTGGCTATTGGAATAACTTCAGCGA
GATCTGGAGCACAGAGGCTGTCCTGAGTTATCTGGTATTGTGCTGCTGGATTGATTAGGCG
ANGAACAGGGGCCAGAGTGTGAGAACCCANAAAAAGGAGGTGGGGTATGGGCTTTTGGAA
CAATTGTTTTGTGGGTGAAANGCGTGNTCCCANCCAGCAAGCCCAGGCTTTTGTGCTGTC
TCCCGGGAATTAAC

Sequence 2853

GCTCGGANACCCCTGCCCCGGCTGNGATTGCTGCCAGGCACTGTTTATCTCAGCTTTTCT
GTCCCTTTGCTCCCGGCAAGCGCTTCTGCTGAAAGTTCATATCTGGAGCCTGATGTCTTA
ACGAATAAAGGTCCCATGCTCCACCCGCAAAAAAAAAAAAAAAAAAGTACCTCGGCCGC
TCTANAACTAGNGGGATCCCCCGGGCTGCAGGGAATTCGATNATCAAGGCTTTATCGAT
ACCGGTGACCTCGAAGGGGGGGGGCCCCGGTGACCCAAGCTTTTGTCCCCCTTTAGN
TGAAGGGGTAAATTGCCGCCNCCCTGGGCGNTAATTCATTGGGTCCATAAGCTTGTTT
CCCTGNGNTGAAAATTGTTTATCCCGCTACCAAATTCACACCAACCATTACCGAAGC
CCCGGGGAAGCCATTAAAGGTGGTAAAAAGCCCTGGGGGGTGCCCTTAAATGAAGGNG
GAGCCTAACTTCACAATTAAATTGGCNGTTTGCCGCTCAACTGGCCCCGCTTTTCCAA
GTCCGGGGAAACCCCTTGTCGTNGCCAGGCTTGCCATTAAATGGAAATCCGGCCAAACC
GCCNCCGGGGGAAGAAGGCCG

Sequence 2854

NCACGATCAAGAATTCNAGTTAAACAGAATTGAACCACTCCAACCACAANCACTATGACA
NGGAAACAGGATCGNNGGAGGATTTCCACANGNGAACCTTTTACATTACAAAGTTTCCAAC
ACAAGAAGCCAACAATACCCAGTGCTNACCAAGTTACTTTCCCACTGTTTCCCAAGGT
ACAACCTCAATTNNTAATCAAGTAGNTCCAAGTNCTAAGAACATTTCTGGTAAACAAGG
GACCNACCTCCCGTGGCTCTTATGCATNGGCCTGCCACTGNATGGAATCAAATTTCTT
TAANNAACCTTACCGACCGGNTCTAGATTACCCCTTTTGGAGGGAAGAANCCACCC

Table 2

TTTCATAAGAAAATNCTTTCCAAGCCAATTCAAGTGGCCCTCAAGNTTTTTTCNCCATT
CCTGGTNAAAAAAGGAACANNNCNATTGGCCAAAAAGNTNGGGGAANNATNCCNGCTNA
ANGGCTTTCCAGAAATTCGGAAGTTNCCATTCCGGGGCCTTCCCTTCAATNTNGTGACCC
CTTGGCCCCCGGGGGCCGGGGCGCCGGCTTCTTTANGAAAACCTTAANNNTGGGGAATCC
CCCCCCCCGGGGGCNTTGGCCAANGGAAAAATTTCCGAATANTCCAAANGCCTTTATNCN
GNAATNACCCNNGNGCCAANCCCTTCCGNAANGGGGGGGGGGG

Sequence 2855

GGGGAGCTCCACCGCGGTGGGGCCGGCCCGAGGTACTGTGGGTCTGAGTCAAGGATCCC
AGTGCTGCCAGGAACCAGCAGTCAGCTGCGCCTCCTTGTGGATGTCAAATCTGCTTATA
TCATCCAGGGATGAAGTGAGGAGGACCCCTGGTAGNATCCTGTGGCCCGCTTCCATATC
ACATTGGGGAGNAGGCCGTTTTCTTGGGNAAGCAAGCTTCTGGGCCTTATTGGGAAAG
GAAATCTTGCTGCCAAGGGGGGAAATTGTCTCATCCTTTAAACCGTCCCGGGCCCATGC
TCAAGGGCAAGGTGGATCCCCGCAAGGGGTGGGGTTAAAAAAGGTCTTGGGTCTTTTG
GAACTTTGGATTGGAATGGGAAGGGGTCTTNCNACTTGAAAAGGGGCTCCCTTGGGT
AAATTAACCGCCCCAATGGACCCCTTCTTTTAAGGAAAAGAACTTTCCCGGAAGGGNCC
CTTTTCCCTTGGTTTTCTTAAGGGCCAAGGGTGGTTGGTCTTGAATTGGGAAGGGGAA
GGGGGGGGGNACCGGGGGCCAAGGGGTTCCTCAACAAGGGGCNTCTCAAGGTTTANGA
AGAAAGTTGGGTGGGGGGGGGNAAGAACCTGGGCCAANAAGGGAAGGGAAGAAGCCANTG
GGCCCCGGGCCCGCTCTTAAGAAAACCTAAGTGGGGAATCCCCCCCCGGGGGCTTGCCA
AGGGAAATTTCCGGAATATTCAAAGCCTTAATTTCGGATTACCCCNGTNCGAACCCCTC
NAAGGGGGGGGGGGGC

Sequence 2856

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCGTCTCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGGGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGAC
CGTTTAAGGATGAGACATTCCCTGCAGCAGATTCTCCATAGGCCAGAAGCTGCTCCAGG
AAAAACGCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGGTCTCCTC
ACTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGAGGCGCAGCTGACTGCT
GGTTCCTGGC

Sequence 2857

AGGTACTTTGTTTTTCATCTTTCAGGTTATAAACTTTTCAGTTTCTAGGGGATAAATTAA
AATAGTAAATGAATATTTGTTGCATTTTTTTCTATTTAACTGCATTTGCTCATTGTAA
TTGCTAAATAGTAAATTTATCCCCACTTTCTTTAGGCTTCACTTTTGTATATAATC
AGTTTTCTTTTATACTGTTACAAAATGCCTTTCAAGCTTCTCTTATATTTTCAAAGCT
ATGAAACCCATCAAAAATTATAAGGACTTAAATTTATGTAATTTTTTATTTTTGGGGA
TACTTAAATATTCTATTAATTTGCTATAAGTNCATTGGAAATGTTAATAAAATAAATTTG
TCTCATAATCTACTCTTTGTTCATTTTATTTCAAGCCCTTTAGAAAATAAGGAGGGGCC
ATTATGGACCGTGGCANATCTAGGGGCTTGCTGTTTNGGGCTCTTCTGNAAAGTGGACGC
CCAAGGGCTTGCGGGGGTCCACCCAAGTCCCGAGCCAGCGCCTTCTCCCATGGGAGAAA
ACTAAGAAAAACCTGCTTTTTGGGAATTTATTCTCTTACCAGGGGAANAAAACCCCTTG
GGCCCATTCAGAAAGGGGGGAAGGAAGNATTTGNTCTTTTCAANCTTTNCCAAAGGAAAA
NCCCAAGTNGTGGAGGGGGCTGGAAAAANAAAATGGCCCCCCCAGGTCTCNTGGTCAAGC
CACTTCCCNCTTCTTNCCCTTTTATAAGGTTCAATCAGCCCCCCCCAACCAAAA

Sequence 2858

CCATGCTCTCCTCCTCTGCCAGNCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAAC
CTGCCCGNCTNCCNTNCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGGA
AGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCATC
AAGTTCAAAGACCAGGACTTACCACCTTGC GGATCACTGCCTGAGCATGGGCCGGACG

Table 2

TTTAAGGATGAGACATTCCCTGCNNCANANTCTTCCATAGGCCANAAGCTGCTCCAGGAA
AAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGNCCTCCTCAC
TTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGAGGCGCAGCTGACTGCTGG
TTCCTGGCAGCACTGGGATCCTTGACTCAGGACCCACAGTACCT

Sequence 2859

AGGTACGCGGGAAGAATAAAGGTGTCTCCATAAACCATGACCTGCAGATTTGACCCACAAT
GACCAGCATGTCCCTTATGGACATTTTCTAGGTCCAGTGGCACTGCAGGTCCCGGATGAT
TGCGGGTGCCAAATTTCTACATTGTGGGGAGGGACCCCTGCAGGAATGCCCCATCCTGAAAC
CAAGAAGGATCTGTATGAACCCACTCATGGGGCAAGGTCTTGAGCATGGCCCTGGCCT
CACCTCTGTGGAAATCATTCCATTCCGAGTGGCTGCCTACAACAAAGCCAAAAAGCCAT
GGACTTCTATGATCCAGCAAGGTAGGTTTTTCAGAGGAAAATTTCTTTTATCAACATCTGTA
TAAAAGAAATGATGAGGCAGAATTTGGGCCCTTTGAAAACTCTCCAGTGCATTGCCACA
TGCTCCCAAGTGGACTGAGTCCCTTGAGAGTCAAGACGTGGTCTTATAAATTTTATGTCC
CCTAAAATTGTACCTGCCCCGGGCGGCCGCTCG

Sequence 2860

CGCGGTGGCGGCCGCCCGGGCAGGTACCTGACTGTGGCTCAGATCTGCGTGGCAGCAGCG
AGAGAAGAAATCACTCCATATCCGATGAGAGGAAGGGTGGCACAGAGATGGTGTCTACAA
TTAGAGACATTTCTGACTCCACCTTAGCCTAAGCAAATTTATATACTGAGTAACATTTG
AAGGTTGTCTTTTAATGGTGGGGGTGTTTTTCTTTTAACTACAGTGCTTGCACAA
GAGAGGGAGGGACTCAGAAAAGGTTAGGGCAGGTGGGGGAGACAGTAGATGGCCTGGGAT
GACTTGAGTCCATCATACTATTGCTTGGCAGGTGTCTCCCCCATGTTTGATTCAAATTC
CATGAGTGACCTACCTTTCCCCAGGAATGGGACTGAGAGGGTAGTCTCCAGCAACTCAGT
CTGCACAGGGCTCCCCGTTGAGGCTGCCTTTGGTGGGTGTGCTTTTTGTAAAGTTTTCTT
TCTCTGCCTTCGACNTACCTCTGAATCANAAAAGCAAGCCCCCACANGGTGGAATTGANG
GGATGNCTGCTTTGGCAATTGCCCCAAATCTTAACCANGGGGNGGGCTGGGCTTGGGCCN
CCCCCTTGTCCCGCTTTNAAGGGGGGAAAANCCTTACCAAGGTTGTTTGGTTTTGNAA
CCTCAGGGAATTNAAAAANNCCNNANGGCCCTTTTT

Sequence 2861

TNGAANCTCCACCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGCGGCNACGACCCAT
TCNAACGTCTGCCCTATCAACTTTCAATGGTANTCTCCGTGCCTACCATGGTGACCACGG
GTGACGGGGGAATCGGGGTTTCGATTCCGGANAGGGAGCCTGATTAAACGGCTACCACATCC
AAGGAAGGCAGCAGGCGCGCAAATTAACCACTCCCTACCCGGNGGAGGTAGTGACANAAA
AAAACAANAAAAAAAAAAAAAGTACCTCGGCCGNTCTAGAAGTGTGGGATCCCCCGGGC
TTGCAAGGGAATTCCGATATCAAGCTTATTTCGATTACCCGTACNACCTTCNAAGGGGGGG
GCCCCGTTACCCAGCTTTTTTGTTCCTTTTAGTTGAGGGGTTAAATTTGGCGCGCCTT
GGCCGTTAATCATGGGTCAATAGCCTGTTCCCTGGTTGGTGAAAATTGTTAATCCCGCT
TCACAAATTTCCACCACCAANCATTACCGAAGCCCGGGGGAGCCATTAAAGTTGTTAAA
ANGCCCTGGGGGGNGCCCTAAAATGGAAGTTGNAGCCTAAACCTCAACATTTAATTTGGC
GTTTTGCGCCTTCAACTTGCCCCCGNCTTTTTTCCAAGTTCCGGGG

Sequence 2862

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCGTCTCCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGAC
GTTTAAGGATGAGACATTCCCTGCAGCAGATTCTTCATAGGCCAGAAGCTGCTCCAGGA
AAAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGGTCCCTCCTCA
CTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGAGGCGCAGCTGACTGCTG
GTTCTGGCAGCACTGGGATCCTTGACTCAGAACCCACAGTACCT

Sequence 2863

Table 2

TCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCGCCTCCTTGTGGA
TGCTAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCTGGTAGATCCTGTG
GCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTCTGGCCTATGGAAG
AATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTCAGGCAGTGATCCC
GCAAGGTGGTAAAGTCTTGGTCTTTGAACCTTGATGATGGAGGTCTCCACTGAAGGCTCCT
GGTAATACGCCATGACTCTCCTTAGAAGACTTCCGAGGTCTTTCTGTTCTTAGGCAG
GTGTGTCTGATGGAGGAGGGGAGACGGGCAGGTTCCACAGGCTCTCAGGTTANAGAGTGG
TGGAGGAGACTGGCAGAGGAGGAGAGCATGGC

Sequence 2864

AATTTTAAGTAAATCTGCTTTATTCTGATGGNGCCTTCTGTTTCANAGGCTCCAGCANACT
TACCTGAGTCCTAACACTATCACTGTGATGGGGGNGGTAGAGAGACAGGACCAGCANAAAC
AGACTGGGGCTGCTCGTCTTTTCCAGCTGGNGAAGTTTTATAGGGATAAAGCCTCCCA
NAATANAATGGCCCATTTGAACAGCAAACACAAAATACTGGTTTTAGGANAACATTGTGAG
CTGTTGCTTTGGCTTTTTAAATCTTCACTTTANAAAGAACTCGCATATGAATTTAATTT
GTTTCTGACTTAATATTTTCCCATTTGAACCTTCACTGGATTTTTTCTTCTTGAGCAAG
CAAATTCAGGAAAACTCCAATATTTGGCTGTCTTCTTCCAGTCCTTNTAACTCCCCC
CANACCCGCGTACCTGCCCGGGCGG

Sequence 2865

AGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCGCAAGGTGGTAAAGTCTTGGTCTTTGAACCTTGATGATGGAGGTCTCC
ACTGAAGGCTCCTGGTAATACGCCACCGACTCTCCTTAGAAGACTTCCGAGGTCTTTCC
TGTTTCTAGGCAGGTGTGTCTGATGGAGGAGGGGAGACGGGCAGGTTCCACAGGCTCTC
AGGTTAGAGAGTGGTGGAGGAGACTGGCAGAGGAAGGAAAGCATGGCCCCGGCGTCTTGG
AAGAAAGAGCAGTGCTGGTGTCTCCCGCTACCTGCCCCGGGCCGNCGGTTCTANAAAC
TAGTGGGATCCCCCGGGCCTTGGCAGGAATTCNNTTATCAANCCTTATCGGATACCCG
TCCGACCCTCNAGGGGGGGGGGCC

Sequence 2866

GAATTGGAGCTCCACCCGCGGTGGCGGCCGAGGTAAGTGTGGGTTCTGAGTCAAGGATCCC
AGTGCTGCCAGGAACCAGCAGTCAGCTGCGCCTCCTTGTGGATGTCAAATCTGCTTATA
TCATCCAGGATGAAGTGAGGAGGACCCCTGGTAGATCCTGTGGCCGCTTCCATATCACA
TTGGAGAGGCGTTTTCTGGAGCAGCTTCTGGCCTATGGAAGAATCTGCTGCAGGGAAT
GTCTCATCCTTAAACGTCCGGCCCATGCTCAGGCAGTGATCCCGCAAGGTGGTAAAGTCC
TGGTCTTTGAACCTTGATGATGGAGGTCTCCACTGAAGACTCCTGGTAATACCGCCATGAC
CCTCCTTAGAAGACTTCCGAGGTCTTTCTGTTTCTTAGGCAGGTGTGTCTGATGGAGG
AGGGGAGACGGGCAGGTTCCACAGGCTCTCAGGTTANAGAGTGGTGGGAGGAGACTGGCA
GAGGGAGGAGAGCATGGC

Sequence 2867

AGGTACTTTTTTGTCTTTTTTTTTTTTTTGTCTGACCTGTAGTTTGATTTCAGTG
TCTAGACTTAACAGTCTGAATTTAAACACGAGGCATATACACAAAATCATCTGGAAGTGA
TTTTTTCACACTAAACACTTCTTTCTGATCCTACTTTCCAGGAGGCTCCTTCTCCAAA
CATACCTCCAGATGAAAATCACTTAATTAACCAAGAAAGACTCAACCGCCCTTAAGTCT
TTTCTAAACAGTCACACATACTGGATTACTTATTTTGAGACATGACAAACAGTTGCAA
ACCACAAATTCATTCTCATGGGCCCTCCACACGGTCTCTTGTCTTCTGAAGAGGGTCT
TGCTGAGGACCATTTGTCCCCCTTCTGCAGCAGCTACTCAGTCGGTGCTGGANAGTGTG
GCCTTTCTGA

Sequence 2868

Table 2

AGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTNCTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCGCAAGGTGGTAAAGNCCTGGTCTTTGAACTTGATGATGGAGGTCTCC
ACTGAA

Sequence 2869

AGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCGCAAGGTGGTAAAGTCTGGTCTTTGAACTTGATGATGGAGGTCTCC
ACTGAAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGACTTCCGAGGTCTTTCT
GTTTCTAGGCAGGTGTGTCTTGATGGAAGGAGGGGAGACGGGCAGGTTCCACAGGCTCT
TCAGGTTAAANAGTGGTGGGAGGAGNACTGGCCAGAAGGAGGAAAAGCATGGCCCGGCC
CGCTCTAGAATAAGTGGATCCCCCGGGCTGCAAGAAATTCGATATCAAGNCTTATCGA
TACCCGTCCGACCTCGAAGGGGGG

Sequence 2870

ACGCGGGATTGTGACCCCGTTGCATGAAGTCAGGTGTGGAGTTTTCCACTTGTTGGTATCA
TGTTGCTGCTGCTCAAGAAGTTTCTGATTTTGGAAACATTTTGGATTTTGGATTTTACAT
TAGGGATACCTAATGTGAGAGAGACTAGGCCGCACAGCTCCCTGCACTGCTGCCTGGTGG
TCTGAACTGGGGCTCTGATTGTTTTCTGAGGGGCTTTTGTGTGCCTTCTGTGAAGGGGC
CTGCATTGAGTGAGTCTACACTGTTGGGCTCAGTGTGGAGCATACCTGGTTGAGCCACCA
GAGTTTGACAGCTTAAGGGCAGCCTGTCAATTTATCTACAGAGTATATTAATGATAAAGA
TCTTTGGAACCTTACTTAAAAACAAAATGAAACATTTTCATGATGGAGGATTTCAAACAGA
AAAATAGAATAATTTAGTGAAGTCCCATCACTTTAGCTTTACAGTTAATTCTAGGCTCCC
CCTACCTCAGATGAATTTTAAAGCCAAAATCCCAATTTTCACTTTTATTGGGAAAAAT
GCCTTTCAATACATAATCTCTTAAACAAGAATAATTGGACCTCTTTTATTAAACCTTATTT
TTTAAAGTTGAAAGACTTGACCCACCCAGCCTTTCCTAAATTCCTGGAATTTTCATANTT
TCTNGGGGNTNGAAAGCCTGANTTTTTTTAA

Sequence 2871

AGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCGCAAGGTGGTAAAGTCTGGTCTTTGAACTTGATGATGGAGGTCTCC
ACTGAAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGACTTCCGAGGTCTTTCT
GTTTCTAGGCAGGTGTGTCTGATGGAGGAGGGGAGACGGGCAGGTTCCACAGGCTCTCA
GGTTAGAGAGTGGTGGAGGAGACTGGCAGAGGAGGAGAGCATGGC

Sequence 2872

AGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCGCAAGGTGGTAAAGTCTGGTCTTTGAACTTGATGATGGAGGTCTCC
ACTGAAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGACTTCCGAGGTCTTTCT
GTTTCTAGGCAGGTGTGTCTGATGGAGGAGGGGAGACGGGCAGGTTCCACAGGCTCTCA
GGTTAGAGAGTGGTGGAGGAGACTGGCAGAGGAGGAGAGCATGGCCGGCCGCTTGGAGA
AAGAGCAGTGCTGGTGTCTGCTCTCCCCGCGTACCTGCCCCG

Table 2

Sequence 2873

NCNGGGAGCAGGGAACCGNTCAGATACCCCTTCCACACCGTGGAACCTTTGTTCTTACCCT
CTTGACGAAAAATCTTGCTGCTGCCCACTCTTTGGGTCCACACCACCTTTAAGAGCTACA
ACGATCACCACGACAGTCTGCGGNTTCATTCTTGAAGTNAAGCGACACCACAAACCCACC
AGANAGGGAGGAACTCCAGACACATTTTGAAGGAACAAATTCAGACACAACATNTTTAA
CAGCTTGTAACACACACTTGTAAGGTCCACCGGCTTTATTCTTGAAGCCAGGCGGAGA
CCACGGAACCCCTTTGGAANGGGAAACCACTTTTGGANACAAGCANGGACGTNGAAGAAC
TTTCTTACCTTGCTCAACTTNAANAAATTAATTTTCCGCCACCNAACCCCAATTGGGCC
CACCGTTTTTNGGGGGNNGCCTTAANNAACCTTTGGGGGCNCGGTTNTTAAAAAATTA
AGGTGGGNATCCCCCCCCGGGGCTTGGAANGGAAATTTCCNATTTTTTNAAGNTTT
TNTTCNAATNNCCCCGTCCGAAACCTTTGGANGGGGGGGG

Sequence 2874

GAATTGGAGCTCCACCCGCGGTGGCGGCCGAGGTACGCGGGGTCCACAGCGGCTTCCTTG
ATCCTTGCCACCCGCGACTGAACACCGACAGCAGCAGCCTCACCATGAAGTTGCTGATGG
TCCTCATGCTGGCGGCCCTCTCCAGCACTGCTACGCAGGCTCTGGCTGCCCTTATTGG
AGAATGTGATTTCCAAGACAATCAATCTCGAGCGGCCGCCCGGGCAGGTACTGAGCTCCA
CAAACGTGGCCATGGTTGGTGCGGAAATGATTCTGAGTGAGCAGGTAGAAGTCTCACGTC
CTGCTGTGTCCAGAGTTGGTTCTTCCAGAGGGCTCGTGGTCTCGCTGGCTTCAAGAATG
AAGTCGTGGACCTTCACAGTGTGTGTACAGCTGTAAAGATGTTGTGTCTGGAGTTTG
TTCCTTCAGATGTGTCTGGAGTTTCTCCCTTCTGGTGGGTTGTGGTGTCTGCTGACTTCA
AGAATGAAGCCGCGAGCTGTCGTGGTGATCGTTGTAGCTCTTAAAGTGGTGTGGACCCA
AAAGAGTGAGCAGCAGCAAGATTTTTNGTCAAAGAGGGTNAGAACAAAAGTTTTCCACGG
GTGTGGAAAGGGTATCTTGAGCCGGTTTCCCTTGCTTCCCNCGGTTACCTTGGNCCGGT
TCTAGAACTAAGTGATCCCCCCCCGGGCTTGCAAGGAATTTCAATATCAAAGCTTTATN
GANTACCCGTCNACCTTCNAGGGGGGGGG

Sequence 2875

ACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCGCCTC
CTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCTGGTA
GATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTTCTTGAGCAGCTTTTGGC
CTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTTNCGGCCCATGCTCANG
CAGGTGATCCCGCAAGGTGGNAAAGTCTGGGTCTTTGAACTTGGATGATGGAGGTCTC
CCACTGCAAGGCTCCTGGTTAATACGCCATGACTCTCCTTANAAGACTTCCCCAGGGTC
CCTTCTTCTGNTATCCTAAGGGCCAGGGTTGTGTTTCATGAATGNGAANGAAGGGGGAA
GACCGGNNCAAGGTNTCCCAACNNAGGGCTTCTTTCAANGGTTTANTAANCAANTTNGTG
GGGAGGGAANAACTTTGNCCNGTAAGNGNATGGGANNAANCCAATGGGGGCCCGGGNCG
CCGCCTNTTAANAAAAACNTTAGTTGGGGANTNCCCNCCNCGGGNCTTGNAAGGGAA
AATTTCCGAAATATNTAAANNCCCTTTTATTNGGATTACCCCGGGCCGTAACCTTTCGNA
ANGGGGGGGGGGGCCCC

Sequence 2876

TACCGGGCGAATTGGAGCTCNCCGCGGTGGCNTNCGAGGTACTCNGGGACCTGCTGTGCT
CTTGCTTGACAGTGTCTGGAGCTGGACCTGGCTCTGGGTTTCCAGGAAGCAGTTTGAC
TAAAGGCAGCAAGCTGCTTCTCTGCTGCCTGAGATACCAGAACCATACAGAAAGACATG
CAAAGCACACCAAATTTGTCTACAGCTTAAGATCAACAAAAATCCTTTTTCATTAAATTATA
AATTCACAGAGAATATAAACAATGATCCTTATTATCCCCCTTACTGGCTCACACAGGGGG
AGAGAAGCCAAAAGCCCAACTGATTCCTAATGGCGAANATTGAGAAAAACGCCCCACGA
TGGAAAAAAGCCAGAACTGTTTAAACATCATGGAAGTAGATGGAGTCCCTACGTTGATAT
TATCAAAAGAATGGTGGGAAAAAGTATGTAATTTCCAAGCCAAGCCTGATGATCTTATTC
TGGCAACTTACCCCAAAGTCAGGTACCTGCCCG

Sequence 2877

Table 2

AGGTACCCTTTCTGCAGAAAGTATAAAATGGCCTTGCTAAGGAATTTAAATTTACATTC
AAGTGCTATTTCTTTACAGCACCGGAAAAACAAGCATTTCAAACAAGACCTACTATACAAT
GACAGTAATTAAGATAATGTGATACTGGTGGAGGAATAAGCACGTAGACAAATCGAACAT
AATAGAGAACCCAGAAATAAACCCCTACAAATATATACGCAACTATTTTTTAACAAAGAT
TCAAAGCAATTCAGTGGAGAAAAATGACCTTTTCAACAAATAATGGTGGAGCAGTTGA
ACATCTACAGCAAAAAACAAAGCTCAACTTCAACCTCACACCTGATATAAACATGAATAA
AAACTATGAACTTTTAGAAAAATAAATAAACTTACCTTACCTGATCTAGGGCCAGGCCAA
CATGTTTTTATACCTCACATCAAGATCCATAAAATAAAATTAATACATTGGACAATAAA
TAAAAACCTTTGCACTGCAAAAGACTGTTAAATCATTCAAAGTTATAGAGCGAGCGGG
AGAAAAATCCACCACGTACCTGCCCCGGGCG

Sequence 2878

ACCGNGGTGGCGGCCGACNGGNCANGTTTCTTATNCCNTCNTAAGNANNNNNGCNGNCN
TTGTGNTCAACNGNGGCNCCNAAGNGACNANNAANNNGNNNCANNCCCTANCANNCTNNNA
GCNNTNNANTTTTGAACANCAANGGCTTNTACCANCCCTTANACCACCNNTGCCTGC
ATGACCTCCCAGGCNTTACAAANAACGCTNCTTTTACNGATCATATNACCTTTATCAT
CTTTGGGAAAAAGTCATCCCCAGTCTTGAATCCCTGTGGCCAGTGAATAAGATAGACGT
CCAGATAGCTCAGCTTCAGGTCTTGAGGGTCTTCTCAAAGGCTTCCCTCACAAGGGGTC
TNTCAAAGAAAGTGGGCCACACCTTGCTGACGATGAACAGGTCTCCCGCATCACAGCCT
TCTCTTGGATCTTCTCTTGGATG

Sequence 2879

AGGTACCCAAGCATCATGTGAACACTGTGCAAATGCTATACAGAGAGTCACGGCAGCTTA
ACCAGATGGAGAACAAAAACACAGCAGCGCACACGAATGAGTAAGTAAAAATCCCTATGA
ATCAATTCCTCAGGCATAATACTCTAAATCCTTAAAAAGGGGGGAAAAAAGAATGTAA
CAGAAATCTATTTCCACAATACACCCAAGGGTAACTAATGTAACCTAAGTGAATGACA
ATACAAGATTAATAAACACCAAAACCCACTATACCTGGATTTCATATTACTTAGTCGAG
CGGCCGCCCGGGCAGGTACAACGACCCAACCAAGAATCTATCATTTTGAAGCCAAAGAT
GGCCTTAGAGGTGGGTGACTACAAAATCAATCTCAAGCTCATGGATAACCAGAATAAAGA
CCAAGTGACCA

Sequence 2880

TCCCCGCGGTGGCGGCCGAGGTACGCGGGAGAATAAAGGTGTCTCCATAAACCATGACCT
ACAGATTTGACCCACAATGACCAGCATGTCCCTTATGGACATTTTCTAGGTCCAGTGGCA
CTGCAGGTCCCGGATGATTGCGGGTGCCAAATTTCTACATTGTGGGGAGGGACCCTGCAGG
AATGCCCATCCTGAAACCAAGAAGGATCTGTATGAACCCACTCATGGGGGCAAGGTCTT
GAGCATGGCCCCCTGGCCTCACCTCTGTGGAAATCATTCCATTCCGAGTGGCTGCCTACAA
CAAAGCCAAAAAAGCCATGGACTTCTATGATCCAGCAAGGTAGGTTTTAGAGGAAAAAT
CTTTTATCAACATCTGTATAAAAGAAATGATGAGGCAGAAATTTGGGCCCTTTGAAAACT
CTCCAGTGCAATTGCCACATGCTCCCAAGTGGACTGAGTCCCTTGAGAGTCAAGACGTGGT
CTTATAAATTTTATGTCCCCTAAATTTGTACCTGCCCGG

Sequence 2881

TCCACCGCGGTGGCGGCCGCGCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCT
AACCTGAGAGCCTGTGGAACCTGCCCGTCTCCCTCCTCCATCAGACACACCTGCCTAGG
AAACAGGAAAGGACCTCGGAAGTCTTCTAAGGAGGGTTCATGGCGTATTACCAGGAGCCTT
CAGTGGAGACCTCCATCATCAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACT
GCCTGAGCATGGGCCGGACGTTAAGGATGAGACATTCCCTGCAGCAGATTCTCCATAG
GCCAGAAGCTGCTCCAGGAAAAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATC
TACCAGGGGGTCTCCTCACTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAG
GAGGCGCAGCTGACTGCTGGTTCTTGGCANCACCTGGGGATCCTTGACTCAGAACCCACAG
TACCTCGGCCCGCTCTAAGAACTAGTGGATCCCCCGGGCTGGCAGGAATTCGATATCAA
AGCTTTATCGATACCGNTCGACCCTCGGAGGGG

Table 2

Sequence 2882

TCCACCGCGGTGGCGGCCGCCCGGGCAGGTAAGGGCTGCATAGCACAGTTTAGAAA
TTAGGCTTTGGTGCCAGACACTGCAGGTTCAAATCTCAGCACATCCATTAACTAGCTAC
ATGACTTATTTCTGTGCTGTTTCCTCATCTGTAAAATGAGAAAACTGCTACTTCATGGG
CTTACTGTGAAGGGTAAATGAGTAAAAACACAAACAACATACTGAACATTGATGGATCTA
TCCTGGTAATAAAAACAAATGCTAATCATTATTATTATAATTGTTAATAGTGATATTATT
TTAGGCTTTGTATAAATTTCTGAGGATATAAAGTCCAACAGGCCGGGCATGGTGGCTCTC
TTTTAACTTGAGGGTCGCTTTTAACTACTAGAGCTCCATTTCTCCTCTTAAATGAGAAAG
GATTTCAATTTCTTTCTTTTAAATCTCCTATTTCTTCACACAGTTCAATGTAAAGAGCAA
TAAATGTTTTAATGCCTAACCTGGAGGGAGGCCGTGGTTTCTGTTAATCATACTTTCCCT
GTTCCTTTTCATTTCCAGGTATCACCCATC

Sequence 2883

AGGTAAGTATTGGGGAAGTGATAAATGTTTCATGAAATCTTCACAATTTATGTTTCAGAGAT
TGCAGTAAAGACAGGCGTAAGAAATTATAAAATATTAATGTGGGGAATTAAGAAATGTC
CATGAAATCTTCACAATTTATGTTCTTCTGCCATGGCTTCAGCCAGTCTCTCTGTTGGGG
GTCCCTGAATTCCTGCAACAGCTCAGAACTAGAGGCTGAGAAAGGGAGTCACTCAAACC
TTGAATCCCTGTGGCCAGTGAATAAGATAGACGTCCAGATAGCTCAGCCTCAGGTCTTG
AGGGTCTTCTCAAAGGCTTTCTCACAAGGGGTCTCTCAAAGAAAGTGGGCCACACCTTG
CTGACGATGAACAGGTCTCCCGCATCACAGCCTTCTCTTGATCTTCTTGATGGCT
TCTCCACCTCATGTTGATTCTCATAGAAATAGGCACAGTCAATGTGGCGATATTCTGCA
TCAATGGCCACCTTCACCGCTTCTTCCACTTTGCCGAGAAAGAGACCTTCAAGTGCCAG
GCCACAATGGGCATCTTGGCTTTGTCTTGCCCGGGCGGCCCGCTCT

Sequence 2884

NAGTCCACCGCGGTGGCGGCCGNANGNACTGAGCTCCACAAACGTGGCCATGGTTGGTG
CGGAAATGATTTTGTAGTGAGCAGGTAGAAGTCTCAGTCTGCTGTGTCCAGAGTTGGTT
CCTTCCAGAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTCACAGTG
TGTGTTACANCTGTTAAAGATGTTGTGTCTGGAGTTTGTTCCTCANATGTGTCTGGAGT
TTCTCCCTTCTGGTGGGTGTGTGGTGTCCGCTGACTTCAAGTAATGAANCCCCCAGACT
GTCCGTGGTTGATCCGTTNGTATGCCTCTTAAAGGTGGGTGTGGGACCCCAACAGGAGTT
GAGCCAAGCCGGCAAAGAATTTTTCGTTCAAGGAGGGGTAAAGAACC AAAAGTTCCA
NCGGGTGTGGNAAGGGGTATTTTGAAGCCGTTCCCTTGCTTCCCCGCGTACCCTTGCC
CCGGGGCCCGCCCGCTTCTTAGAAACCTANTTGGGATCCCCCCCCGGGNCTTGCAAGGGAA
ANTNCCGAATATTCAAAGCCTTAATTTGGAANNCCNGNACNAACCTCCCAGGGGGG
GGGGCCCCNNGTTACCCCCAAACCTTTTTT

Sequence 2885

CCGGGCAGGTAAGCACTTGTGACCAACAGCTAGTCTTGCTTTCAACAGCTAGTCTTGC
TTTCCCTGATCGTAGATCCCTACTAAAAGCTCTTGAAAGTGTGCATATGCAGGCTACCTA
ATGATTTAACGGAGGATCAAGATGGTTACACTGCAGAGAAACAGGAGGGATAGGGCATAT
GCCCTTGTCCAGCAAGACAGACAAAACTAGGAACCTGAATTCTCTCTCTGATTCTCT
GTATCTGGAGCCAAGGCCAAGGATCAGTTCTTCTAGAAAGTCCCTCCTGTGTGTGTGTG
TGTAATGTGTGTGAATGCAGTCATAACTCCCTGCCAAAATTCATTGCCAAAAATTTTG
TGATTTGAAGCAGGCCTTACCTGTTAATGCAAATTTGATTCTCAAATCCTAAGAGTTTCC
AAAGGTTGAGTGAAGTGAGATGAGACTCTTAGTTGAAGATCCAGATGCTTCTGTTGCTA
TCTAGATGCTACCAAACTCCCAGCACAAACAAAGTATATGAAAGAGAGGCTCTAGGTTT
ATGAAATGTTAGAGTTGAAAAAATGGGCCCTTTGGGGTCTTCTTATTCTACCTCTCA
TT

Sequence 2886

AGGTAAGTATTGGGGAAGTGATAAATGTTTCATGAAATCTTCACAATTTATGTTTCAGAGAT
TGCAGTAAAGACAGGCGTAAGAAATTATAAAATATTAATGTGGGGAATTAAGAAATGTC

Table 2

CATGAAATCTTCACAATTTATGTTCTTCTGCCATGGCTTCAGCCAGTCTCTCTGTTGGGG
GTCCCTGAATTCCTGCAACAGCTCAGAACTAGAGGCTGAGAAAGAGAGTCACTCAAACC
TTGAATCCCTGTGGCCAGTGAATAAGATAGACGTCCAGATAGCTCAGCTTCAGGTCCTTG
AGGGTCTTCTCAAAGGCTTTCTCACAAGGGGTCCCTCAAAGAAAGTGGGCCACACCTTG
CTGACGATGAACAGGTCTCCCGCATCACAGCCTTCTCTTGGATCTTCTCTTGGATGGCT
TCTCCACCTCATGTTGATTCTCATAGAAATAGGCACAGTCAATGTGGCCGATATTCTGC
ATCAATGGCCACCTTCACCGCTTCTTTTACTTTGCCGAAGAANGAGACCTTNCAAGTGCC
CAGGCCACAATGGGCATCTTGGCTTTTGTCTGCCCGGGCGGGCCG

Sequence 2887

GCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACGCGGGGAGCAGGGAACCGCTCAG
ATACCTTCCACACCGTGGAACCTTTGTTCTTACCCTCTTGACGAAAAATCTTGCTGCTG
CTCACTCTTTGGTCCACACCACCTTTAAGAGCTACAACGATCACCACGACAGTCTGCGG
CTTCATTCTTGAAGTCAGCGACACCACAAACCCACCAGAAGGGAGAACTCCAGACACAT
CTGAAGGAACAACTCCAGACACAACATCTTTAACAGCTGTAACACACACTGTGAAGGTC
CACGGCTTCTATTCTTGAAGCCAGCGAGACCAACGAAACCTCTGGGAAGGGAACCAACTC
TGGGACACAGCAGGACGTGNAGACTTCTACCCGCTCACTTCAGAGTTTATTTTCCGCACC
AACCATGGCCCACGTTTGTGGGAGCTCANTACAAAAGCCCAAGATGCCCATTTGGTGGG
CCCTGGGCACCTTGGGAGGTCTTCTCGGGCCAAAAGTGGAAAGAAAGCCGGTGAAAGGT
GGCCATTTGATTGCAGAAATATCGGCCACCATTGACTGGTGCCTATTTTCTATGGAGAA
ATNAACAGCTTCTTAGAACTAAGTGGGGATCCCCCGGGGCCTGNCANGGAAATTTCC
CAATTATTCAAAGCCTTTATTGGAANTACCCGGTCCGNACNCNTTCAAGGGGGGGGGGG

Sequence 2888

AGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCCGCAAGGTGGTAAAGTCTGCTGTTTGAACCTTGATGATGGAGGGTC
TCCACCTGGAAGGCTCCTGGTAATACCGCCCATGACTCTCCTTTAGAAGACTTCCGAGGT
CCTTTTCTGTTTCTAGGCAGGTGTTGTCTGATGGGAGGGAAGGGGGAAGACNGGCCA
GGTTTCCACNAGGCTCTCAAGGTTTAAAAAAGTGGTGGGANGGAGAACTGGGCAAGAAG
GAAGGGAGAAGCCATGGNCCCGGCCCGGANTCTAAGAAACCTAAGTTGGGANCCCCCNC
GGGGCTTGGCAAAGGAAATTNCGGATAATTCAAAGCCTTTATTGNAATTACCCCGNCCNN
ACCCTTCAAAGGGGGGNGG

Sequence 2889

CCGGGCAGGTACTGTTGATTACCTGCTACATCCTTCAAATCATCTCCTTTTGCTTCTTG
ACATGACCACTCTCCTACATCTGTATCTGATAGTGCTTTTGCTGTAGCACCCCTGCTTT
TTTTCTTCCCCCATGCCACTTTAAGATTATATTCTAAATGCCCTCTAGAGGATCAGAAT
CTCTGGGCCTAATCTCTCTCTAGGCTCTGTATCTAAATGCCTGTGATATCCCAATTC
AGTGTGTCGGGACATCTGGGACTTCACAACTCATCCAATTTCCCGAGAGTCTTTTTCT
CTCTTAAATGTTTTTTTTTTTTGAGACAGAGTCTCACTCTGTTTCCAGGCTGGAGTG
CAGTGACATGATCTCGGCTTACTGCAACCTCCGCCTACTGGGTTCAAGCAATTCTCTGCC
TCAAGTGGTCCCANGTAAGCTGGGAATTACAGGCACCCGGCCACCANACCTGGGCTAATT
TTTGGGATTTTAAAGAAAAAACAGGGTTTTAACCCGGGTTANCCCAAGGAAAGGNTTTT
AAACCTCNTGANCTTGGGGNAATGNCCCCCCTNNGGGTCCCCCAAAAANGGGGNGGG
GANTAACCNGGGGGGGGNGCCCCNANTGCCCGGGCCCAAAAATTTTTTTTNTTCCNG
GGGNGGGGTTTAAACCCNAAACCTGGANTAAAAAGGGGNAANAAGGNTAAAAATTTT
TTTTATTNNACGGTTTTTTTATTANAAAAATTTTNNNANCCCCNGGGTGGGNNNTTTC
CCTTTTTGNAAGGGGAAAAAAAGGCCAANTTGGTTAATTGGCCCCAAAAA

Table 2

Sequence 2890

GAATTGGAGCTCCACCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTT
GACTTGATTCAAATTTATTTATAAAGGACCATTTCCGGGCGAACTTCCCGGAACAAAGAG
GGACTGATCCAAGGTGACCCCGTGTCCACCTNTTANAACANACCCTGTTGCCCATGTC
AGGAGAGGTGAGAAAGGTAGTACATTAGTGCCCCAGCACCTTTTGGATTCTGANAAAAAT
GGACATTGTGTCTGGAGTCTGTGATTTCCATCTGGCTTTGACTTGCTTCTGCTGACT
TCTTTGGCTCCACCCCTTACTGGAAGGATGGCCTNGTGGGACACACAGATCAGAGTTATG
CTAACGAGGCTGCCGAGTGCCAGTTTGCCTGCTGGGGACACCACACTCTAAAAATCCTGC
CGGGCAAATTGTCAAATCCGGTTCCTATCCAGTCCCTTGAGAGTTTCCCTGTAAGGNGG
TTCAGCTTTTTTTGAACTCCAAGGACAATGCCATTCAAGAGCTTGACAAAGCAGTGGGCA
AACTCCTTGTCACCTTTTNCCTGACTCTNTTTTCTTCCCTGGGATAANGCATGGTTT
ATCTGGCTGCTTGGGA

Sequence 2891

CCGGGCAGGTACGCGGGGGAAAGTGTGTAGCACCTCCACCTTCTCTCTCTCTCCCTCT
CCCTCTCCTGCCAGCCAAGTGAAGACATGCTTACTTCCCCTTCCCTTCCCTCATGATGT
TACCATTGGAATGACATACTGCATCCTATAGTTATACCATCCACTCTGAAATCAATGTGA
ATTTAACTTCAGTTCCATACAGAACTTTTTTCCACAGGAGTTTAAGCCCAAGCTGGAG
TGCGATGGTGCAATCCCACTCACTGCAACCTCTGCCTCCCAGGTTCAAGCTATTTTCT
GGCTTAGCCTCCGGAGTAGCTGGAATTACAGATGTGCGCCCCCATGACCAGTAAGAAACG
GTTGAACTGGATGCAATTTTATCACAAGCTTGTGTAAGACTGCCTCTGTCCCTCCTCTC
ACATGCCATTGGTTAACCAGCAGACAGTGTGCTCAGGGGCGTTGCCAGCTCATTGCTCTT
ATAGCCTGTGAGGGAGGAAGAAACATTGCTAACAGGCCAGTGACAGAAATGGATTGCA
AATACCAGTGTGTGAAGCTGAATGGATGGTCACTTTTCATGCCTGTCTGGGGATTGGGC
ACCCTATGCGCCCTGCAGAGGNTTCTAAA

Sequence 2892

TCCCCGCGGTGGCGGCCGAGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGG
AACCAGCAGTCAGCTGCGCCTCCTTGTGGATGTCAAATCTGCTTATATCATCCAGGATG
AAGTGAGGAGGACCCCTGGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGT
TTTTCTGGAGCAGCTTCTGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTA
AACGTCCGGCCCATGCTCAGGCAGTGATCCCGCAAGGTGGTAAAGTCCTGGTCTTTGAAC
TTGATGATGGAGGTCTCCACTGAAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGA
CTTCCGAGGTCTTCTCTGTTTCTAGGCAGGTGTGCTGATGGAGGAGGGGAGACGGGC
AGGTTCCACAGGCTCTCAGGTTAGAGAGTGGTGGAGGAGACTGGCAGAGGAGGAGAGCAT
TGGCCGGCCGCTTCTANAAGTGTGATCCCCCGGGCTGCAGGGAATTCGATATCAAAC
CTTATCGATCCGTCGACCTTGAANGGGGGGCCCGGTTCCAGCTTTTTTGT

Sequence 2893

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCCTCTCCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGGGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGAC
GTTTAAGGATGAGACATTCCCTGCAGCAGATTCTTCCATAGGCCAGAAGCTGCTCCAGGA
AAAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGTCTCCTCA
CTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGAGGCGCAGCTGACTGCTG
GTTCTGGCAGCACTGGGATCCTTGACTCAGAACCCACAGTACCT

Sequence 2894

CCGGGCAGGTACAGGACACAATCCCTGCTTCATTCTTGGCTGACACAGTATACACCCAG
CATCTTCTTTTGTGGCTCCCTGAATGAGCAGGCAGATGTAGCCGTGGTTGCTCTGGTGCA
TGCTGGAGAAAAGGATAAAGTCATTAGGGTTCTAAATTTTTTAAAGTGGCTTTGGACAT
GAAGCATCATTTTTAATTAGATCATTAGAAACAGAATTGTGCAAGTAGCTGATAATAGGG

Table 2

TCATACTTATTCTGTAGAGATTACTAGCTCCATTAAAGTTAATGGGAGAAAGAACAGACG
TCAAGAGTTGAATACATCTGTGTGCTTAATTCCTAGTTGAGGATCTGCCTTTACAAAAAC
CACTGAATAGTCTTTTATCACTAAAGCAAATGAATTCATCTTTTCTTTTAGATAGAATGA
TAAACACTTTTAAAGAAATCACCATTAGATCAAACACCCATAGCTTCCTTCTAAAAGCTTA
ATCCTACATTGGGTAACGCATGGNTTTTGTCTTTGATTGATTTCATCAAAA

Sequence 2895

GCTGCGGCGAGCGGTATCAAGCTCACTCAAAGGGCGGTAATTACGGGTATCCACAGGAA
TCAAGGGGGATTAAACGGCAAGGGAAAGAAACATGTNGAGCAAAGGCCAAGCAAAAAG
GCCAAGGGAACCCGTNAAAAAGGCCGCCGTTTGCCTGGCCGTTTTCCCATAGGGCTCC
CGCCCCCTGACGAGCCATNACAAAAAATCCGACGCTCAAAGTTCAAGAGGGTGGCGAA
AACCCCGACAGGAATATTAAGAATACCCAGGCCGTTTTTCCCCCTGGGAAAGCTTC
CCTTCGTNGCCGCTTTTCTTGGTTTCCCGACCCCTTGCCCGGCTTAACCCGGGGAT
AACCTNGTCCCGCCCTTTTCTT

Sequence 2896

CCGGGCAGGTAAGTGTGCTTTCAGCCAGCAGAAATCCAGGAGCTCACTGGGGACCCATCCC
AATTCCTAAAGCATGGGTAATTCAGCCAGGCCTCAGCCTCTTGCGCAGCTGCCTCCAAC
CCTTTGGGTCTCCACCACCAAGTTTCTGTAGGGTCCGCCGGGTCCAGGATCACAGGCC
TGGGTTTCGTGAGCTGCCTTCTCAGGTACCT

Sequence 2897

GCCGACGTACCTGACTTTGNNTNAGTTGCCAGAATANGATCNTCAGGCTTGGCTTGGAAA
TTACATACTTTTCCCACCATCTTTTGATAATATCAACGTAGGGACTCCATCTACTTCC
ATGATGTTAAACAGTCTGGCTTTTTTCCATCGTGGGAGCGTTTTTCTCAATCTTCGCC
ATTGGGAATCAGTTGGGCTTTATGGCTTCTCTCCCTGTGTGAGCCAGTAAAGGGGANA
ATAANGATCATTGTTTATATTCTCTGTGAATTTATAATTAATGNAAAAAGGGATTTT
TGTTGGATCTTTAAGGCTGTNATNACAATTTTGGGTTGTGCTATGCAATGTCTTTCTGCT
ATGGGTTCTGGTATCTCAAGGCCAGCAGAAAGGGAAGCCAGCCTTGCTTGCTTTAAGTTC
AAAAGTGGCTTTTCCCTGGGAAAACCCCANAGCCCAGGGTTCCCAGGCTTCCANGG
AACACCTGGTNGCCAAGGCCAAAGAAGCCACCAAGCCAAGGGTTCCCCGCCGTANCCC
TGGCCCCCGGGGCCNNGGNCCGNNTTCTTAGGAAACCTAAGTTGGGAATCCCCCCCCGG
GGCNTTGCCAAGGGGAAATTTCTAATTATCAAAAANGCCTTTAATTCCGAATACCCCGG
TCCGAACCTTCGAAGGGGGGGGGGGCCCCCGGGTTANCCCCAAGCCTTTTTTNGT

Sequence 2898

AGGTACCATGGTGCTGCACAGACCATCAGGAAGAACTGAAAAGTTCAGGCAACTTGAGAA
AATAAAGTCACCACCAGCAAGAAGCTGTCTAAAATAACCGGAAGATTATAACCCAAGCAC
GTGGAGGAGTGTGCTAGTGAGTAGAATGTTATGAAAGCTACTAGAGGTCTCCATAGATG
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TTTCAGTTGAGCACTTTGTTTGGAAAGTTGTCCAAGGCTGGAGTTGTGAGAGCTGGGAAA
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AGAAGTTGATTCCCAGGCCTGCATGCTGGCCTGGAAGTACAGCCTGGGTCTCCTCTTGCT
TTTTCCAGCTGTCTGCCAGGTAGCTCCCCAAGGCAGGCATGGAGGCAGAGCTGCTTTGG
GTTCCAGGTAAGGAGAGATGTGTCCAGGTGGCCTTTGTTGTATTGTGGGGCACAGACACT
GAGGGAGACAGGGAAAGGGTCTGGGAGACCAAGATGGTACCTACCCGGGCCGGCGTTT
TAGAACTAGTGGGATCCCCNGGCTGCAAGGAATTCGATATCAAGCTTTATCGATTCCG
TNCGACCTTCGAGGGGGG

Sequence 2899

AGGTACAGGTTTGTAGCCAAAAGCAATAGGCTATACCATAATAGTGCAGGTGCGTAGAA
GGCTTTTACATAAAGGTTTATGACCTGTATGATGTTACACAACAACAAAATTGCCTAG
TGGTGCATTTACTATAACATATCCCATCCTTAAGGGACACGTGAATGTATATACACACAC
ACACATATACACATATTACCAAATGGATACATACGTGGTTACCTACAGAAAAATTTAAAC

Table 2

TTTGAAATAATACTCTTAGGGAATGTTACCTTTTTAAAAAGATATTCTTTAAATTTATATT
TGCTATTATGTTGCCCTACCAATATTCACATGTAACATTGCACATTTACTAAGGGATT
TTTATATTAGCATTTTAGTCAGCACATTTGTTGTCTGTTACCCTGTGTTATGAGTTAGG
TAAAAAGAGATCTTGTTCCCTGCTTTAAAGAGATCTCAGTTTAGTGACAGATAAGTAAACC
AACCAAAGAGGGTGCATTGAACCCCGGTAGCCTGGGTAGGAAGAAGCTTTCACTCTCAGT
AGTTAAGGTGATGATGGGATGGAGGGACTGTTCAAGGAAAGACTGGGTGAGAAAAAGCTC
ANACTTGGTCTAAATNTGGGAAGGGGTGGGAGGAATGAAGTTTAGGGNNGGGGAAAAGG

Sequence 2900

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCGTCTCCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGAGTCATGGCGTATTACCAAGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGAC
GTTTAAGGATGAGACATTCCCTGCAGCAGATTCTTCCATAGGCCAGAAGCTGCTCCAGGA
AAAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGGTCTCCTCTCA
CTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGAGGCGCAGCTGACTGCTG
GTTCTGCGCAGCACTGGGATCCTTGACTCAGAACCCACAGTACCT

Sequence 2901

AGGTACAAGGAGGAGGAAAAACAAGGATTCCATACCAATCTCCTTAGCCATGGCTAGAC
CCTGCGGATAGGTGATGGGAGTCAGTTCTTCTCCTTCAGTTTCTCGATCGTGTCTTTAT
CATCCCTAAGATCAAGTTTAGTTCCCACTAGGATGATGGGAGTGTGGGACAGTGGTGCC
GCACCTCAGGATACCACTAGATGTGAAGAAGGAACAGAGGTTGTGACACGCTCCTTTACA
GATGTCCTTCACCTAAATCACACCCAGCCGGCGGCACTCATGCCAGACACCTAACCTCAG
GCAAGGCCTCCCCACGGAGGCTTCAGGTGGTTCCCACCTTCAATTCAAGCCTTGAGCCAT
AAGGAACATCTCAGGTGTTCCATTAGCAAGCTAGGACTCCCGGATCATGGCTGGACAGAA
CCACGACCGGACAGAACGGGCTCTACAACCGCAGGGGAAGGGGGGAAGGGAAGAGAAACA
AAAGGAAGGGAGTTCTTCCAAAGCAAATAGATCACTTTTGTGTTTTGGTNAACAATTT
CTTTAAGGGTCATCTTGAGAAA

Sequence 2902

GTCCTGGAGCTGGACCTGGCTCTGGGTTTCCAGGAAGCAGTTTGACTAAAGGCAGCAAGC
TGCTTCCTCTGCTGCCCTGAGATACCAGAACCATACAGAAAGACATGCAAAGCACACCAAA
TTGTCTACAGCTTAAGATCAACAAAAATCCTTTTTCATTAATTATAAATTCACAGAGAAT
ATAAACAATGATCCTTATTATCCCCTTTACTGGCTCACACAGGGAGAGAGAAGCCAAAAG
CCCACTGATTCCCAATGGCGAAGATTGAGAAAAACGCTCCCACGATGGAAAAAAGCCA
GAACTGTTTAACATCATGGAAGTAGATGGAGTCCCTACGTTGATATTATCAAAAGAATGG
TNGGAAAAAGTATGTAATTTCCAAGCCAAGCCTGATGATCTTATTCTGGCAACTTTACCC
AAAGTCAGGTACCT

Sequence 2903

AGGTACTGAGCTCCACAAACGTGGCCATGGTTGGTGCGGAAATGATTCTGAGTGAGCAGG
TAGAAGTCTCACGTCCTGCTGTGTCCAGAGTTGGTTCCCTCCAGAGGGTTCGTGGTCTCG
CTGGCTTCAAGAATGAAGCCGTGGACCTTCACAGTGTGTGTACAGCTGTTAAGATGTT
GTGTCTGGAGTTTGTTCCTTCAGATGTGTCTGGAGTTTCTCCCTTCTGGTGGGTTTGTGG
TGTCGCTGACTTCAAGAATGAAGCCGCANACTGTCGTGGGTGATCCGTTGTAGCTCTTAA
AGGTGGTGTGNGACCCAAAGAGTTGAGCAGCAACCAAGATTTTTCNTCAAGAAGGGTAAG
AACAAAAGTTTCCACGGTTGTTGGAAAGGGTATTCTTGAGCCGGTTNCCCTCCCCGCGTA
CCTTGCCCNNGGCGGCCCGNTTCTAAAACTAGTGGGATTCCCCCCCCGGGCTGCANGAAA
TTTCCATTATNAAAGCTTTAATCGAATAACCCGTTGAACCCTTCCGAAGGGGGGGGGCCCC

Sequence 2904

Table 2

AGCCCCANGAGCTGAGCGGGGACCCTCATGTCCATGTTTGTGTCCTGACTGGGTCTGACT
CCCCGCGTACCTNCCNGGGCGGGCCGCTCTTAGAACTAGTGGAATCCCCCGGGCCTGCAG
Sequence 2905

AGGTACGCGGGAATCTCAGTCATGTAAGAAATGTCACATTTTATTTAATTCAAATCCTAC
TCTGGACCCCTATTCTTGCTTTGGTGGGAAATGTGGCCTAAGTAATTATTGGAGGACCCTC
TGCTTCTTTGGAATCTCTGAAGTATTAGGAGGCCAATCTGGTATGGGGAAAATGAAGGAG
GCCCTCTCTCCTTCAGTTCATCAGGCTGCTGCTAACCATTCTGTCCCAGCTGATAGG
GTATCTGAGAAGATGGGTGATTCTTCTCCCTCCAAGCCAAGCTTGACAAGACTANGAAGC
TGTGAGGTATCTGATCTGGCCTCTGTAGATGAACAATTGAGCCACACCCTGAAGTTTTCT
CACCTCCCCAATGTATTGCCATGAGGATAAGGACAGGTCCCTATTGGTCATGACATCCCT
TGCTGCCTCACCCCTGAACAGAGAGAGCCCTAAAGTCCTAGCTACTTTCTTGAAAAAAA
AAGGGTNGAAAAATNCACAGAGAGCAAACAAACACAAATTAATAACTGAATAAAGAGGTT
GAACTAGCCTGGGCAAACGTAATTTTANAACCCCTGTNTACCAAACCAACAACCACCAA
CAACCACCAANAAAAA

Sequence 2906

AGGTACGCGGGGCCCCCTTTTCCAAGCGGCTGCCGAAGATGGCGGAGGTGCAGGTCCTGGT
GCTTGATGGTCGAGGCCATCTCCTGGGCCGCTGGCGGCCATCGTGGCTAAACAGGTACT
GCAGCTGATGAATTGGCAATTTGAAGAACAATGTAAAAATAATAATAATAATAA
GAAACAAAAATATAGAAATGCAACTGACGGCAAGATGAAGCAACAGATATATAAAACAA
AAGACAACATAACAATGGGTGTCAAACGATCACATGTTTTTAACTATTTCTATACCT
GACACTCACTCATTCTTAAGTCAATGAAGTCATCACTGGGGGAGGCACAGAAACAAAT
ATGGTACCTGCCCCG

Sequence 2907

GCCCCGGCAGGTACCTGACTTTGGGTAAAGTGGCCAGAATAAGATCATCAGGCTTGGCTTG
GAAATTACAGACTTTTTCCACCATTCTTTTGATAATATCAACGTAGGGACTCCATCTAC
TTCCATGATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTTTTTCTCAATCTT
NGCCATTGGGAATCTGGTATTTTCAAGGCANACAGGAAGCAGCTTGCTGCCTTTAGTCAA
CTGCTTCTCGGAAACCCAGAGCCAGGTCCAGCTCCAGGACACTGTGCAAGCAAGAGCACA
GCAGGTGAGGTCCCCGCGTNCCTCGGC

Sequence 2908

AGGTACCGACCTCTCTTTGTAATGAAAATTACTCTGATTATTAAGATGTTTAAGTATAT
CCAACCGTCCCAGACCACATTGGCCTATTTCTCCTCTTGGCAACACTGCTCGGGTTTTT
CCCTCGCATCATCCTTATGCTATGACACTGGACTAAATTGTAATAATACATTTTCTTGT
AATCTCCTCATTATACTATGAGCTCCTTGAGGACAGGTACGCGGGGGCGGCCATGGCGG
GACAGGAGGATCCGGTGCAGCGGGAGATTACCAGGACTGGGCTAACCGGGAGTACCTGC
CCG

Sequence 2909

AGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTTCTTGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCGCAAGGTGGTAAAGTCCTGGTCTTTGAAGTTGATGATGGAGGTCTCC
ACTGAAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGACTTCCGAGGTCTTTCT
GTTTCTAGGCAGGTGTGTCTGATGGAGGAGGGGAGA

Sequence 2910

CCGGGCAGGTACGCGGGGCGCATNATCTGTCTTGCTGGAAGCTTTTTCTAGAGGTTGAG
CGGTTTGNACANTGTGNGAAATGGCTGAGTTGTCCGAGCTGTATGAAGAGAGCANTGACC
TGCAGATGGATGTGATGCCTGGCGAGGGTGACCTTCCCCANATGGAGGTAGGCAAGCGGG
AAGCCCGGAGCTATCCCNATGCGTTCTTCCCGAAGNGGGGCCCAACAAGTTTCGNAGGA

Table 2

AGGAAAGGCCCAATTGGANGAAGGAAGGAGGGCCCCAANCCAANTGGCCNGGCNCCCAAG
AGGGGGAAAACGGGANCTTGNTAACGGGGCCCCAACNTTTGGGGAANCACCCNANCCNA
GGTGGGCGGCCCTCNNTTTTTTAAANACCAAANNANNNGGGNAAAANTTTTTTTTTT
GGNGGGGNGANAAAAAANNTTTTTTTTTNTTTTANANNNNANNATNNGNCATANTTGGGG
GNNNNCCCCNCCAAAAAANNNCCCCNTTTTTATNAAAAANCCCCCTTTTTT
TTTTTTTTTAAAAAANNNNACCCCTNGGNGGGG

Sequence 2911

CCCCGTNGTGGCGGCCGNTNATGCTCTTTCTCTGCCAGTCTCCTCCACCACTCTTTAA
CNTGAGAGCCTGTGGAACCTGCCCGTCACCCCTCCTCCATCAGACACACCTGCCTAGGAA
ACAGGAAAGGACCTCGGAAGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCA
GTGGAGACCTCCATCATCAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGC
CTGAGCATGGGCCGGACGTTAAGGATGAGACATTCCCTGCAGCAGACTCTTCCATAGGC
CAGAAGCTGCTCCAGGAAAAACGCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTA
CCAGGGGGTCTCCTCACTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGA
GGCGCAGCTGACTGCTGGTTCCTGGC

Sequence 2912

GCAAGGCCATCGACCTGACCGTGGGCCCATCGGCCGACGGCAAGGGCGCGGCACGATCA
CCGTGGTGCCCGTGCCGACCGAGGATGCCCTGCGCAACCGCGACTGGATCGAGGGCAATA
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CGGGCCTGGGTCACTTACTTCAAGCGCTATTTCTTCCGCGAGGCGGACAAGCAGGCCA
TCATCGTCGACGAGCGTTTCAATGGCGGCGGACGCTGGCCGATTACTACATCGAGATCC
TGCAANAAGGAAATCNCCTGGNGGACCTTGCCTTTTGGCCCCAANNAAAAAACCCCN
CCCCTTTTAAAAANGGGGGCCCCCCCCCTTTTTTTTTAAAAAANCCNNTTTTGG
GGNNAANNTTTNGGGGNGGGGNTTTTTAAAAAANNNNGCCCCNTTTTT
NAAAAAANNNNGGGGGGGGNNNNNGGGGNNNTTTTTTTTTTTTNGG
GGGGGGGGGGGNGGGGNCNCNCNCNCNNTTTTTTTTTT

Sequence 2913

CCGGGCAGGTACGCGNTNGCAGGAGTCAGTCCCAACCAGGACACAGCATGG

Sequence 2914

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AAGTGAGGAGGACCCCTGGTAGATCCTGTGGCGCTTCCATATCACATTGGAGAGGCGT
TTTTCTTGAGCAGCTTCTGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTA
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TTGATGATGGAGGTCTCCACTGAAGGCTCCCTGGTAATACNCCATGACTTTTCTTANAA
AATTNCCGGGGNCTTTCCTTTTCTTANNNAANGGTGTTTTNNGGGNGNGGGGGGGAA
ACNCNGCCNGNNTCCNNAAGGNGCCNNGNTTAAAAANNGGNGGGGGGGGANNAN
NCCCCCNAAAAAANAAAAAANNTGCCCCCCCCCTTTAAAAAAGGGGG
GNGCCCCCNCNNGGGGNGGGGGGANNANATTNNNNAAAAANCCNTTTTTNTNCCCCC
CCCCCCCCCCCCGGGGGGGGGNGNCCCCCCCCCCCCCCCCCTTTTTNTNNTTTT
TTNNGGGGGGNAANAANCCCCCCCCCCCCNAAAAA

Sequence 2915

AGGTGAGAGGATTTCTTGAGGCCAANAGTTTGAGACTAGCCTGGGTAGTATAACAAGAC
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AACCTCTCTGGCAGACCCAAATTAATATTCTAGGACAGGAGTGTCCAGTCTTTGGCTT
CCCTGGGCCACATTGGAAGAGGAATTGNTTGGGCCACACATGAAATACACTAACC
ATAGCTGGATTGAACTAAAAAATCAACCAAAAAATTTTCATNAAATGGTTTTNAAG
GAAAGTTTGTGGNAATTTTGTGTTGGGGCCCTNATTGCCANCCCCGTNGGGCNCATGNG
GTTTTGTACCAAAATTTTGCCTNNGAAAAACAAAGTTTGNTTACCCTTNTGGCGCCGN

Table 2

TTCTTAGAAAAACCTAAGTTGGGATCCCCCGGGGCTTGGTAANTGAAAATTTTCCGAAT
NTTCAAAGGCCCTTTAATTTGAATAACCCGNTTCNNAACCTTNNGATNGGGGGGGGGGG

Sequence 2916

ACACCGCTTGTTAATGGCAACCATTTCAAAGATAAAAGAAAATGGAAATTAAGGGAAATC
TGTTACGCAACAAAGATCTTGAGGAATTATGCAGACATATCAACAACAGAAACCAAGCAG
CACAGCATTCTCAGAAGCAGTCTACTGAGCTCTCCAGTGCATGTACGCGGGGACCCTT
CTCTGGGACACATTGCCTTCTGTTTTCTNCAGCATGCGCTTGCTCCAGCTNCTGTTTCAGG
GCCAGCCCTGCCACCCTGCTCCTGGTCTTTGCCCTGCCAGTTGGGGGCCAACAAAGCTCA
GCGACAACACTNGGNAGATCATANNNNAGAANNNGNTGACATTCCTCAAGTNAGGCANCTTG
CCNCGNTGCGGCCGTTTCTAGAACTAGTTGGATCCCCCGGGCCTGCAGGGAAATTTTCA
TTATNAAAGCTTTATCGGNTACCCGGCCGAACCTNNANGGGGGGG

Sequence 2917

CCTTTGNTTTNGGCNAATTGCAGCTCCACCCTTNGTGGCCGAGCGNNCGCCCGGNTTGGT
TCTCCAGCCTGGGCGACAGAGCGAGACTGTGTNAAAACAACACCACAAGCTAGCTGAGTA
GGGATTCTTGGGCCGAAGTGGAGGACATTATAAGCAAATAGGGTAGTATGGGCATGGAAA
CGAACTACATGATTAAAGATTAGTATTATCTGGCAGAGGGAGGAAAAGTGCCANAGCAAGN
GCCGAACTGGAAGGTTACATTTAGTTCAGGATATGAAGATCATAT

Sequence 2918

CCGCGGTGGCGGCCGAGGTACTCTCCAGTGACATGCTTCTTGACCACAATGGATGAACT
GTGCCCAGCATGCCCACTTTCCAATGCTCCACTGATCCCCATGTTTGTCTTGAAGGAC
AACCAGCCTTGAATAATGGCAAATACCTTCTTAAGTTCCTACAAAGTATGGTCCCTGGG
AAGTTTATGTCTGTAAGTCAAACCTTGGGAAGTAACTGAGTTTGTATGCCTTTTCCAGCA
TCATCAGCATCATGCTATTACAATCCCAAACCATGGGGGTTTCTCACAGCTTTACACCAA
AGGGCATCACTATCCCTCAAAGAGAGAAAACCTGGACACATGTTCCCAA

Sequence 2919

GGNTTATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGTGGGTCTGAGTCATNGATCC
CAGTGCTGCCAGGAACCAGCAGTCAGCTGCGCCTCCTTGTGGATGTCAAATCTGCTTAT
ATCATCCAGGATGAAGTGAGGAGGACCCCTGGTAGATCCTGTGGCCGCTTCCATATCAC
ATTGGAGAGGCGTTTTCTGAGCAGCTTCTGGCCTATGGAAGAATCTGCTGCAGGGAA
TGTCTCATCCTTAAACGTCCGGCCCATGCTCAGGCAGTGATCCCGCAAGGTGGTAAAGTC
CTGNTTCTTTGAACCTTGATGATGGAGGTCTCCACTGAAGGCTCCTG

Sequence 2920

ACTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTNGGGTTTCTTTAATAATGCCTNTCCAACAC
AGCCAGTGAGAAATCCGTGCAGAGCCAATTATCCAGCTAATTGANAACAAGGATACTCT
AATACTCTTACCTGCTCCGAANAGGGTATCATCAGATGCCTNTTGAGAAGGGATTGTC
CATCAAGGATCCAGGCAGAGGGGAGTGTCAGCCACTACCCGGGAGGTGGACCAGGTGGCA
GGAACAAAATGGAACCACTNTGATGGTAACCANACTGCAGGGACCTGCACCCAAACCACA
GGCAGTCTCCATNAGTCAGCCCAGAGAGCAAGACCCAGTTATNTGGCTAANAAAGGAAAA
AATTAGTAAAAATGGATCTAATGAACTTCACAGGGTGGGTGTCAGGATTTATCAAATTA
ATGCATGGGTCTCAACCTTGGCAATNCCNGTACCTTTGGCCGNTTTAGAACTAGTGGA
TCCCCCGGGCTTGCAAGGAATTCNATATTCAAGCTTATCGATACCCGTCGACCCTCGAA
GGGGGGGGGG

Sequence 2921

ACTGTGGGTCTCTGNNTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCGCCTC
CTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCTGGTA
GATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTTGGAGCAGCTTCTGGC
CTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTCAGGC
AGTGATCCCGCAAGGTGGTAAAGTCTGGTCTTTGAACTTGATGATGGAGGTCTCCACTG
AAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGACTTCCGAGGTCTTCTCTGTTT

Table 2

CCTAGGCAGGTGTGTCTNATGGANGAGGGGAGACNGGCAGGTTCCACAGGCTCTTAAGTT
AANAAAGTGGTGGAGGANACTGGCCANAGGANAGCATGGCCC

Sequence 2922

AGGTACCTGACTTTGGGTAAGTTNCCAGAATAAGATCATCAGGCTTGGCTTGGAAATTAC
ATACTTTTTCCCACCATTCTTTTGATAATATCAACGTAGGGACTCCATCTACTTCCATGA
TGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTTTTCTCAATCTTCGCCATTGG
GAATCAGTTGGGCTTTTGGCTTCTCTCTCCCTGTGTGAGCCAGTAAAGGGGATAATAAGG
ATCATTGTTTATATTCTCTGTGAATTTATAATTAATGAAAAGGATTTTTGTTGATCTTA
AGCTGTAGACAAATTTGGTGTGCTTTGCATGTCTTCTGTATGGTTCTGGTATCTCAGGCA
GCAGAGGAAGCAGCTTGGCTGCCTTTAGTCAAAGTCTTCTGGAAACCCAGAGCCAGGTC
CAGCTCCAGGACACTGTGCAAGCAAGAGCACAGCAGGTCCCCGCGTACCTGCCCCG

Sequence 2923

TCACTATAGGGCTTATTGGAGCTCCACCCGCGGTGGCGGCCGAGGTACGCGGGGACCTGC
TGTGCTCTTGCTTGACAGTGTCTTGGAGCTGGACCTGGTTCTGGGTTTCCAGGAAGCAG
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ATTATAAATTCACAGAGAATATAAACAATGATCCTTATTATCCCCCTTACTGGCTCACAC
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CCACGATGGAAAAAAGCCAGAACTGTTTAAACATCATGGAAGTAGATGGAGTCCCTACGT
TGATATTATCAAAAGAATGGTGGGAAAAAGTATGTAATTTCCAAGCCAAGCCTGATGATC
TTATTCTGGCAACTTACCCAAAGTCAGGTACCTTGCCCCG

Sequence 2924

GCTCCCCGCGGTGGCGGCCNTGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATCATC
AGGCTTGGCTTGGAAATTACATACTTTTTCCCACCATTCTTTTGATAATATCAACGTAGG
GACTCCATCTACTTCCATGATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTT
TTTCTCAATCTTCGCCATTGGGAATCAGTTGGGCTTTTGGCTTCTCTCTCCCTGNGTGAG
CCAGTAAAGGGGATAATAAGGATCATTGNTTATAATCTCTGNGAATTNATAATTAAT

Sequence 2925

GGCGGCCGANGTACCTGACTTTGGGTAAGTTTNCAGAATAAGATCATCAGGCTTGGCTTG
GAAATTACATACTTTTTCCCACCATTCTTTTGATAATATCAACGTAGGGACTCCATCTAC
TTCCATGATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTTTTTCTCAATCTTC
GCCATTGGGAATCAGTTGGGCTTTTGGCTTCTCTCTCCCTGTGTGAGCCAGTAAAGGGGA
TAATAAGGATCATTTGTTATATTCTCTGTGAATTTATAATTAATGAAAAGGATTTTTGT
TGATCTTAAGCTGTANACAATTTGGTGTGCTTTGCATGTCTTCTGTATGGTTCTGGTAT
CTCAGGCAGCAGAGGAAGCAGCTTGTGCCTTTAGTCAAAGTCTTCTGGAAACCCAGA
GCCAGGTCCAGCTCCAGGACACTGTGCAAGCAAAGAGCACAGCAGGTCCCCGCGTACCTG
CCCCGNCGGCCGCTTCTAGAACTAGTGATCCCCCGGGCTGCAAGGAATTCATATTA
NGCTTTATTGATACCCNCGNACCCCTCGANGGGGGGGGCC

Sequence 2926

TTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCAAAGAATNGNAAAATTTATTGTATAAG
TNTTGCAGCTTTTCANAATGTCATATTGCCACTAATGATTACTGATNCNCAACANGCAG
TTTNTTCAGGCCTGTGGATTGGCATCCAAATACAGAGTNTTACNCAGCGGGGACGTGGGT
GCCCCCCCCGATGCCACGGAAAGCTTACATAAGTTTAACTTGAACANAGCTTTGGGAAA
TGGGGCTTGCAAAGGAGAAGCAGTTCCACNCCAGGANCCAACGTGAAAAGCNTTTGGAA
TCAGCACAAACAGCCNTGGAATCAGGCAGGCAGGGGAGGACGGGCTGTGTCTTCTGGAGC
TNTTATTAGTACCTGCCCGGGCGGGCTTTTTTAAAAACTAGGGGGATCCCCGGGGCTG
NGNNGGAATTTCNATTNTCAAAANCTTATTNGATACCGGCNANCCNTCANAGGGGGGGG
CCCCGGGCNCCCCANCTTTTTTNGNCCCCCTTNGGNGGNGGGNTNTAAATTGGGCNCC
CCTTTGGGNGGTAAANACNATGGGCCAATAGCCTGGTTNTCCCTNGGGGGGNAAAAATTG

Table 2

GTNTTCCCGTTCCNAANTTCCCCNACAAACAATATAGNANGCCCGGGGGGNCNTANAA
AANNNGTAAANGNCCCTNGGGGNGGCCNAATGGNGGGNANCCCAACCNCNCNTTTTAN
TTNGNGGGTNGGGCTTCNCTNGGCCCCGTTTTCCNGTGGNGGGAAAAACCNTGNTGGGG
CCNNGTTTTTTTAAATNTAATTNTGGCCCCCCCCCCCCCCCCCCCC

Sequence 2927

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCCGTCTCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGGGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGAC
GTTTAAGGATGAGACATTCCCTGCAGCAGATTCTTCATAGGCCAGAAGCTGCTCCAGGA
AAAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGGTCTCCTCA
CTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGAGGCGCAGCTGACTGCTG
GTTCTGGCAGCACTGGGATCCTTGACTTCAGAACCCACAGTACCT

Sequence 2928

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTCTTTATTCTCAGCAAACAGCAATTCC
ACTGCCAGAGAGGTAGTTTCTNTTTNTGCACCATGCAGCTCCCTGTCAACAGCTTATA
TACAGCGTTTCCACTTGNGTCTCCTGTGTTAAGCTCTAAGCAACTTGAGGACGGGGCTC
ACACTNTAGTCAGTGCTGTCTGAAAGCAGCATAATATGAGTCACCAGTGTAACACAGCCA
CATAATTAAAGATTTTTTAACANCCACATTNTAAATGTAAAGAAAAAAGT

Sequence 2929

AGGTACTTATGAAGCCCATCTAAGTAAGATCATTTCTTCTAATTCAATTTCTAAATCA
TTTGTTTGTAGAAATCTCATGATTCCCAGGAAAAAATTTAAATTGTGATACAGGTTT
GACAGCCTTTTAGTCAAATAAGTTAAAAACACACACGCAAACTCATTTACTCACTTTGCCA
TTATAATTCAATCACAAAGAAATTTTGCCAGGCGTGGTGGCTTACGCCTGTAATCCCAG
CACTTTGGGAGGCCGAGGCAGGTGGATCACAGGTCAGGGGATCAAAGATCATTCTGGCT
AACATGTGAAACCCCGTCTCTATTAATAAATAAAAAAATTAACCTGGTGTGGTGGCNGGT
CCTTGAGTCCCAGCTACTTCGGGGAGGCTTGAGGCACCAAAATGGCGTGAACCAAGGA
NGGCGGANCTTTGGCNTTGAGCCCGAGATCGCGCCCACTTGNACCTTCAANCCTTGGNTT
GACCNAAGCGANGACCTCCCGTTNTAAAAAATAAAAAAAAAAAAAAAAAAAGTACCTTG
GCCCGGGGCGGGGCCCGTTTTTANAACCTAAGNGGGGNTCCCCCGGGGCTGGNAGGG
GAAATTTGANTTTTNAAGCTTTATTTGAATCCCNNAACCTCTNANGGGGGGGG

Sequence 2930

AGGTACGCGGGTAGAGATGGAAAATATCAGACCAATTGGAAATTTTCTTTGACTCTCAC
CTGGTCTGAGCATCTTCTGTCTTTTGGTACAAAAGCCAAGATGCCATTGTGGGCCTGG
GCACCTGGAGGTCTCTCTCGGCAAAGTGAAAGAAGCGGTGAAGGTGGCCATTGATGCAG
AATATCGCCACATTGACTGNGCCTATTTCTATGANAATCAACATTGANGTGGGAGAAGCC
CTTCCAAGANAAGATNCNAAGAAGAAGGCTGGTGATGCCGGGAGGGACCCTGGTTCATTC
GGTNAGCAAAGGTGTNGGGCCCCACTTTTNTTTTGGNNAGAACCCCTTTNTGAAAGAAA
AGGCCTTTTGAAGAAAAAACCCCTCAANGGNCCCTGAAAANCTGGGACTTTTTTTNGGN
NCCGTNTTATCNTTTATTTCCCTGGGCCCCNNGGGGAATTCAANAACNNGGNGGNNA
NAAANTTTTNTCCCCCAAAAAANGGANNAAGNNGGNNTTTTGNNTTNCGGNGGG
NAANACGGGGGAGNCTTTTTTTGGGANTGGNCTTGGNNGAGGGCCNTTTTNGANGGAAC
CTTNGGNGGGACCCAAAAGGGGNCNTGGNNGAAAAAACCCCTGGGGGGGCGNNAAAAAAN
TTTTAAANCCCTTTNCGNNAACGGGGANGGNNTTTTGAACNCCCTTTTCTTGA
ANTTNAACCCNCTGGCNNAACNACNNGGNNGGGGNCCTTCCCNNTCC
CGNGNAAAAANTTTNNTTTNTNTNTNTCCCGGGGGG

Sequence 2931

ACAGCTGTCTGCATTGAAATTCATGCATGGAGAAAGGGAGTAAGCAAGGGAGAAACGGT
GCGATTACATATTCGCGAGATCATCAAGCCAGCAGAGAAATCCCTCCATGAAAAGTTA

Table 2

AAACAAGATAAGCGCTTTAGCACCTTCCTCAGCCTACTTGAAGCTGCAGACTTGAAAGAG
CTCCTGACACAACCTGGAGACTGGACATTATTTGTGCCAACCAATGATGCTTTTAAGGGA
ATGACTAGTGGAAGAAAAAGAAATCTGATACCGGGACAAAAATGCTCTTCAAAACATCA
TTCTTTATCACCTGACACCCAGGAGTTTTTATTTGGGAAAAANGGATTTGAACCCCTGGNG
GTTACTAACATTTTTAAAAGGACCCCNCAAGGGGAAGCCAAAATCTTTTCTTGAAAAG
AAAGTTAAATTGATTNCCCCTTTCTNGGGNGAAATNGGAATTTGGAAATCAAAAAGNAAT
TTTGACCTTNATTGGACAANCCAAATGGGGGGNAAATTCNATGGTTGNAAGAATAAAAA
CTTCCTNTNTTCCAGGCANAAACACCANCCTTTTTGGGAAATGAATCCAACCTGGCTNG
GAAAATNNCCTTTAATAAAATTTAATCAAAANTCCCTTCCCAANTTNAAGTTTTGGTTCCG
GGGGNTAGCCNCCCCTTTTAAANAAAAATCCCCCGGGGACTTGGGTTTTTAGGACCCCCC
CCTTNACCNAANGTNCNAAAAATTTGGAAGGGGGGAACCNCTGANTTTNCACANTGG
TTTTAAAGAAAGGGGGGNAAAACAANNAACCNGGANGNGGNTNCCCGNGGGGNGGCCCT
TTTTTAAAA

Sequence 2932

TAATACGACTCACTATAGGGGCGAAATTGGGAGCTCCACCGCGGGTGGGCGGGCCCCGCC
GGGCANGGTACAGGTGGGCACGAATCTTTGGCTTCACTTGGNAACCTNCGCCTNCCGGG
GTTCAAAAGCCGAATTCTTNTGCCNTCAAGCCTNCTTGCANTAAGCTTGGNAACTACA
AGGCCACGTTGCCACCCACAACCCAAGTTAAATTTTTGTATTTTTAAGTAAGAAGAA
CCGGGGGTTTTACCATTTGTTGGGCCAAGGATGGGTCTTTGGATCCTCTTTGGACCCT
CGTGGAATCTTGCCCACTTTTGGCCCTNCCCGAAAGTGGCCTGGGGAATTTACCAAGGCA
TTGAAGCCACCCGGTGCCTTGGCTTGAAGAAAAACCGGAATTTCTTTTTTAAAGAAAA
AAATGGAAAAAAGGCTTCTTTCTTTTNCCTTTNAAAAAAGTCAACAANGGTTGGGGTA
CCCTTTGGGGCCCGCTTTNTAAGAACTTAAGTNGGGATTNCCCCCGGGGCTTGGA
AGGGNAAATTTTNCNAATANTTTNAAAGCCTTAATTGGAATAACCCGNNNCGAAANCC
TTTTNAAAGGGGGGGGGGGGCC

Sequence 2933

AGGTACGCGGGGGAAAGTGTGTAGCACCTCCACCTTCTCTCTCTCTCTCCCCCTCCCTCT
CCTGCCAGCCAAGTGAAGACATGCTTACTTCCCCTTACCTTCCTTCATGATTACCAT
TGGAATGACATACTGCATCCTATAGTTATACCATCCACTCTGAAATCAATGTGAATTTAA
CTTCAGTTCCATACAGAACTTCTTTTCCACAGATGGAGTTTAAGCCCAAGCTGGAGTGC
GATGGTGCAATCCCAACTCACTGCAACCTCTGCCTCCCAGGTTCAAGCTATTTTCTGGC
TTAGCCTCCGGAGTAGCTGGAATTACAGATGTGCGCCCCATGACCAGTAAGAAACGGT
GAACTGGATGCAATTTTATCACAGCTTGTGTAAGACTGCCTCTGTCCCTCCTCTCACAT
GCCATTGGTTAACCAGCAGACAGTGTGCTCAGGGGCGTT

Sequence 2934

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCCGTCTCCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGAC
GTTTAAGGATGAGACATTCCCTGCAGCAGATTCTTCATAGGCCAGAAGCTGCTCCAGGA
AAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGTCCTCCTCA
CTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGAGGCGCAGCTGACTGCTG
GTTCTTGGCAGCACTGGGATCCTTGACTCAGAACCCACAAGTACCT

Sequence 2935

CCGGGCAGGTACGCGGGAAATGGAGAAGGCTTCCATTTACTTCAGAAAGCTACACTGACT
CTACTAAAAGGCCCTTTCTGCTGGCTTTTAGGAAAAGAGAGAATCCCTCATCAGTCT
CAAAATCAAGCAACAGAAATGGGAAATCGTTTTACTAAGAATGAAATGTGTGATTCA
GTAATACTCTTCATCTTCCCCTTAGCCAAGAACCCACTAGCTCTCAGAAATTTCTGAGTA
GCTGTAGAGGTGTCCTTACAGACAGCAAATTGCTAATAACATTTGTTGAATATTTACTAA

Table 2

GC GCCAGG CACTGGGCTAAGGGCTCCTTGTGAATTTTCACTTGATCCTCACCACAGCCC
TCGTCACTCCATTTGACAGATGAGAAACTGAGACTCACTAAGGCAGAGCTCACACAGC
TAGTGACAGGCCAAAGCCAGACTTGGGACCTGGCTCCAGTCTGCTGAGCAGTCTGCCTCAG
AACCTATACTCTTAAATCCCGAAAACAGAGCTATAGATGCTTTTCTGCCTCCTTAACT
TTCCTTTTCTTANA

Sequence 2936

ACGCCGGGGTCAATAAGAAATTCTCATGAGATCTGGTTGTTGAAAGTGTGTAGCACCTC
CACCTTCTCTCTCTCTCTCCCTCTCCCTCTCCTGCCAGCCAAGTGAAGACATGCTTACTT
CCCCTTCACCTTCCTTCATGATGTTACCATTTGGAATGACATACTGCATCCTATAGTTATA
CCATCCACTCTGAAATCAATGNGAATTTAACTTCAGTTCCATACAGAACTTCTTTTCCA
CAGATGGAGTTTAAGCCCAAGCTGGAGTGCGATGGTGCAATCCCACTCACTGCAACCTC
TGCCTCCAGGTTTCAAGCTATTTTCTGGCTTANCCTCCGGAGTAGGCTGGAATTACAG
ATACTCAGGAATTTCAAGTGTGCTATCCCTATGTGTATTGATTATATCTTCATCCTGCTC
AAATTTGCTATTGA

Sequence 2937

AGGTACAGATCCACAGCCTGTCAGTTGCACCCCTCCCTGACACCACCACCGGGACCTGCAC
AGACTGGGAGTTCATTTCTTGCTCACTGGGGCCTGCCTTCCCCAGGCTGGTGCTTCTG
ATAGCCAACTGAGGGGTGGGAGGTATTTGAAATGCAGATTTAATTATTCATGTGTGGT
GAGGCCAACAGATCAGGAGATAACTGCCACTGAAATGATAGTTTGTTACACACAGTTCCC
AATGGGAGGGGACATGCCACACACGGNGGGGGTACACAGGGAAGCACCAAGGTCAGCTG
GGAGGTAGAGGGAGCCAGGGAGAAAAGTGGGCAAGAGCCTTTATTGTTTTCCATGGGAGG
GAACGGACAAGGATTTGAGTAAGTAGGTTTAGGATTGGCTATTTGGAATAACTTCAGCGA
GATCTGGAGCACAGAGGCTGTCTGAGTTATCTGGTATGTGTCCTGGATTGATTAGGGCA
GGANACAGGGGCCAGAGTGTGAGAGCCCANAAAAGGAAGTGGGGGTATGGGCCTTTGGA
GCANNTTTTTTGTTGGGGTGA

Sequence 2938

AGGCTAATTGGACTCCACCGCGGTGGCGGCCGAGGTACTTTATNTTTTTTTNTTTNTTG
CTTTTTGCCAGTTTTTAAGTTTTTAATTGGATTACCAGCTTTAGGGTGGAGCCGCTTGG
AAGAACAGGGCCAGCAAAGGGTCTCTGGNGCCTCCTGTTTTTCCAGGGAGTCCAGGCT
GTTANAGCTTGAATATCCCACTTTTAATTGAACTGATTTTAACCATAAGCACTCTTTAAT
ATTAAAGTCCTTCCGTGTCCGGAATTGGTGGGTCTTGGGTCTGACTTCAAA

Sequence 2939

CCGGGCAGGTACGCCGGGGGAGTCAAGACCCTGTCAGGACACAGCATGGACATGAGGGTC
CCCGCTCAAGCTCCTGGGGCTCCTGCTGCTCTGGCTCCAAGGTTCCAGATGCCGACATC
CAGATGACCGCAGTCTCCATCTTTCCGTGTTCTGCATCTGTAGGGAGACAAGCCGTCACC
ATCACTTTGTGGGCGAAGTCGGGGGTCTTTAAGTACCTTCGGCCCGNTCNTAANAAA
CTTAGGTGGGATTNCCCCGGGGGCTGGCAANGGAAATTTCCGAATTATTCAAAGCCCT
TAATTCGGANNACCCCGGTGGAACCTTNNNAAAGGGGGGGGGGGGCCCCCGGGTTAN
CCCCAAAACCTTTTTTTGGNTTTCCCCCTTTTTNAGNTGGNAGGGGGGTTAAATTTT
GGCNCCNCCTTTNGGNGCGGTTNAATTNCAATTGNGGGGCCNAATTAAGGCNTTGGGT
TTTCCCTTGGGGGTGGGAAAAANNTTNGTTTATTTCNCCGNCCTTCCACAAAAATTTT
CCCNCCACCAACCCAATTNACCCAAANCCCCGGGGGGANGCCNNTTAAAAANNTNGNTTA
AAAAAGGCCCTGGGGGGGGGNGGNCNTAAATGGGNNGTGGGNAGCCCTTNAACCTTNCAA
CAATTTTTNAATTTGGNNGGGTTTNGCGGGCNTTCANNCTTTNGGNCCNCCTTTTTTCC
CAAGTTTCGGGGGGAAAAAACCTTNNTCNNTNGGCCCCCNCNTTGGCCATTTTAAANTG
NAAATTTGGGNCCCCNAACCCCCCCCCGGG

Sequence 2940

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCAGGCTATGTGCTAAGTATGTTA
TTCACCTTAACCAGCCCTCAGTCTAACAGAGCAGATGCTATTATTATCCCCTTTAAACAG

Table 2

TGAAGAAGCGAGGCTTAGGGGGAAGTGTGTCATGCCCCAGGGCCACATGGCCGGGTAAGG
GGTCCAGCAGCTTTAAGCCAGGGAGGTGGGCCCCAACGTCCATACCCTCAGCCATCTTCAT
CCTACTTCGTACAGGGTCGGGGAAGATACAAGTGATGAAGGCATTGTGGTCAGACTCTT
GTGATTGGCCCAAGGATGAGTGAGGCTTGAAGGTGCCTTCATTAACGTGGAGTACATG
CCAAATGCTCTAANGAGACATACCCCTTAACCCACTCGATTTAACAAAAAGGAGGNCTT
TTTTNGTGGGAAGCCAGGCNCCCACAATTGCCAGCAAGATTAAGGGAGTCCAGANGAATN
CCCCAAAGTTNGCTTTCTTAANTNTTCCCCANCNCCTTAAAGGGGAAAAAAGAAAA
GGGNGAAGCCNCCCNCTTAAAGGGAAAAAATNGAAANCCTTGAAAGGGAGNANGNATT
TTTT

Sequence 2941

NCGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTTCGAGCGGCCGCCGGGCAGGTA
CCACACACACACAGGCACACGCAGGCACACGCAGGCACACACGCAGACACACACACACAT
AAACACACAGAGTTCAGTAGTCCGAGTACTGATTTTCTTAGGATTCTCAAAGTGACAAC
ACCGGAAACAAGGTAATTCATGTTAAACACAAGGGTTATATCAGTAAGAGATGGGATCC
CCGAAGTAAACCGTGGAATTTGAATCAAGCTTCSAAGAGCTAAAAAAGAAATTGGAGTT
TCAACATTCACCTTCTTGAATCCTTAAGAAATACAGAAGTTCAAAATAGAAAACATTACA
GTTTCAGGATACAAAAGTAGAAACATCTGAGATTAAGCCTACATTTTTAAAAAAGATAT
TGAAAAATTACTGNGCTTGTAATACCAGCTTTTCAAACATCAATACCAGTTATTGGCATT
ACCTAGATCAAATCTTTTTCAATCAAGGTTGAAAAAA

Sequence 2942

CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCGAGGTACTT
TTAAACCTCAATGCCACACTCATAATGAATAACCAGNCTACTATCTTATGAATTCCT
GATAATTTTCTCTCATTTTTACTCAAAACTGCCAAATGAATNCAGGACCGTCTNTNCAA
GACTTAAACTNTATTTTATTTGAATACTATGAGCTCTAAATATCTAGATTTTG

Sequence 2943

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGACTTTACCTTGATTGGGAAGATCATGG
AATATCTATTTGAATCCTGGATGATTTTTCTCACAGTCTCCTTGCTTCCTGAAATTTCC
TCTGGTAAGTTATTCTTTATCTGTTACTAAGAACTTAAGTATTGCTATTTTAATAA
GCTCTGTTTTGTTGAAGTATTTCAATTTTTCACATTTTGTACTTTTCAAGTAAAGAT
CCATATGGCCATATTTATTAATTAGTATGGTAGGTGGNAAGTGCAGTGCCTAAANCATAAC
CATNGTAATGTATTACCCCNATANTCCCATGTATTACCCCAATATCTTTACCTTCCTTT
ATTTTTAAAAATATTTGCTCTATTTATTTATGGGGTTACAACGGACATTAATTCGCCC
CCCACCCCCATTA

Sequence 2944

CCCTTAGCGTGGTCGCGGCCGAGGTACTGGAGGAAGANAATGGGCCATAAAAAATAACT
CCCATTTATATAATGCTACACAGTTTACAAAGTGCTTCCCTACACACTCTGTGTTCCAAG
GCTTGCAGTGACCCAGTAAGGTTGGAAGGTCGAACCCCATCTGGAGGACTAGGAACTGA
AGCTCANAAGAGGGAAATGCCCTTCCCANAGTCTAAATCAAGCAACAAGGGCAGGATGTG
GACCCCTTTCTTCTCTCTGTTTCAAGTCTGCTGACAGCTGCCTGAACCGGGAGCTTT
GGGTTGGATGGGTGATGAAAGAAGAGAGAACTTGTCAGACCCATCACTGCATCCAGGTG
GGGTTT

Sequence 2945

CCCTTTGAGCGGCCGNCGGGCAGGTACTTGATTGTTCTGAAATTCCTTATGCATGATTA
GAGAAAGAGTAAATGACGTATTTTAGGATTGTGTTAACAAAAGTGAGATGCTAATTCCT
GAAAATTAGGCCTCTCTATGGGACTGCACGTAATCACATTACCCTAGATCTTGAGTTAG
CCGAGAGAATATTCAGTGTGAGGTGATTCACTGACCTTGCCTATAACTTGAAACCAATAA
GCAAATCCAGATGTAGTTTCACTGGCCTTTGAAGTCCAGGGCAAAAAGACAAAGCGTGAC
TCCCTGTCTCCCCATTGCATCCTGATTGTCTCCCTGTCCAGGGACAGAATAAATATCCTC
AAGACATTGACTCTTTTACAGTGAAGAAGCTGAGGTTGGAGCTTTGGCCTCATCTCCTA

Table 2

TAGGTTTCATGCTGCATCTCTGATCTCTACAGGTAGGGAGAAGGTCTTTTCTGCTCCC
Sequence 2946

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTCAAACTAGT
GACTCCTGTCACTCTNTTCCACTCTAAAAGGGCAGGATGCAATGGCAAAAGGGCACATAA
TTCTGTTTCCTTGAGTGTCTCTTAGTATTAAAGTAGGCTCAGTTTNTAAATATTAAATG
ACCCACAATAAGAGCTGCAATGATTAAGTTTGACTTGTATACCAATCAATGNTGAC
AACTTANAAAACTGTTTNTAATTTACAATGACAAGAGAGGAAAGAGGAGCNCAGGAAA
CANAACTCCAAGAATAATTAANAAGACATTGCAAGTTTCCANAAAGGAAAGCCACAANA
AATTTACNCNCTGGCCTAGGAATTTAATAGAGACAGAGTANGTCTCTCCTTANCAGTAG
AAATTATACTTAAACTAAAAATGGAACCTATTACCAATTTTAAATGTTTCAAATAAGA
AGAATNGAGATANTTTTT

Sequence 2947

CCCTTAGCGTGGTCGCGGCCGAGGTACCATTTGTCCAGGGAGCTCTGAAAAGCATCCTATG
TCGCACCCCGGAGAGTTTTACCACAACACTCTGAGCTTCTCAAGGTAAGGGCAGCTCC
TGCCCTCCACTTTGGGAGTTTGGGAGTCAGAGAATGCCGCCCGTGGAAATTAGGAATAATT
GGTCTCCTTTCTGGAGTCATGTTCCAATATTAGGAGACGGCATCGGTGTAAGCATCCAC
ACACACGTTTCTCACTTCCGGCCATTCTCTCTGCCCTGGTGAAAAGCTTCAAGTAATAG
AGCTTTTCTTTTCACTCCTTATGCCAAGAACATCACACCTACGTTCCCACTCTTCAAT
GAGGGGGCTATTTTAAATGACTTGGCTTTTCTTTACTTAAATTTTGATCCTTGATTTCT
CCTTGCCTCTTCTGTAGTCCAATGCTGATCTCTGTTATGGGGCG

Sequence 2948

CCCTTTCGAGCGGCCGCCGGGCAGGTACTGAAAAATCTCATGTCCTGGGAAACCCCTCA
GTCCTGGGCAAACTGAGACCGGTGGTTATCATACAAAGAGAAAACCAATAAGACTAAAA
TTATGTCCAAACACTTTTCATTGTGGCTAGGAACACAAGTTGAACACCCTAATAAGGAACA
CGAATAATAAAAGCTTGCATTATTGAGTGCTTATATGAGGTAAGTATTATACTATTATCT
CCATTTTAAAGATAAGCAAACTGAGACATAGTAAGGTAATAAGTTAGTTAGTGAAGGC
ACCAGAATTTAAACCCAGAAAGTTTGGTTTATAGGCATACACTACAATCAGCACTGTATG
GAAAGATATCTAAGAGCAGAGACAGGCAGAGATGGGAGCACTGGGGAAGACATCATGGAG
GGGCTAGATGGCTACATCTT

Sequence 2949

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTATTTTTTTTTTTTTTTTTTTTCCAA
ANCAGGAATGATCTGAGTATTGCCAGCACCCAAATAATCCCAACANACTACAATTTTTT
TGAGTAAGTACTATNTTTAAANAAATTATGGCCTATTTTATTGTCATNAACTTTT
GAACAAACCTNTTAATAATTACTAAATGTCCTACAAAAATTATGTTGNTACATGGGAGT
CAAATGGATGACATGGATGCGGAAAGCANAAANANACTGGAAATNAACATTTTANTTCAN
CCTTCCAAAAAGTAAACCCACCACTTNTTCCCCTTNATCATTTTAAAAAGCCCNTNGC
AATNAACCCCAAACCTTGAGGCCCTGAGGGGCGGATGCNCCAANACTTNTTCCAGGCTNT
CATGGGATTTATCTNTTTTNGGGAAAAATGGTAAAGTTCTTGNNGGAAAAAGGCTAAAAA

Sequence 2950

CCCTTTCGAGCGGCCGNC CGGCTCAGGTACCATGGTGTGCTGCACAGACCATCAGGAAGAAC
TGAAAAGTTCAAGGCAACTTGAGAAAATAAAGTCACCACCAGCAAGAAGCTGTCTAAAAA
ACCGGAAGATTATAACCCANGCACGTGGAGGAGTGTGCTAGTGAGTANAATGTTATGAAA
GCTACTATAGGTCTCCATTAGCATGCATGTGCTAGGTCTTAANGCATTAAAGGAAAGAG
GTAGAAGGATTTTGCCACNGTAGGNAACACCTTGAAGTTTCANGTTTGAAGCCACCTTT
TNTTTTGGGAAAGGTTGNCNCAAANGGCTTGGTAAANTTTGTTGGANGAAAGCCTGGGG
GGAAAAGGACCCTTCAACAAAAGCCTTTTCTTCNTAAATTTCAAAGGTTCCCTTTGGT
TTCCACCAATTNTTGAAGGAAATTTGCANTTAANGNCCCCCTTNTATGGAAAGGTTTT
GGATTTCCCCCANGGGGCNCCTTGCCATTGGNCTTTGGGCCTCNTGTGGNAAANCAA

Table 2

AAGAATTCCCCTNGGGGNTTCTTCCCTTCCTTTGGGCNTTT

Sequence 2951

CCCTTAGCGTGGTCGCGGCCGAGGTACACATATCCTGAGCTATCCACAGTCCCCGAAGTC
TGCAACATTGCTTTCAGGTGATAGAGACAAGATGGTCCATGCAAATGAGCTGACACAAGT
CATGTCGTGTGCAATCAAGATAGGATCCCAGACATCTTCAGAATGGTTTACAGTCACAAG
AAATAAAGTTCCAATGAAGTGGTTGGCATTGGAAGCACACTGTTTTAAATATATCTCCC
TGAAGGTATGTTTATATATTAGTGCCTGGTCAATATCTGACACTATCTGTCAATTTTATT
GCAAAAGGATATCAGGGCAATTAATAGGAGGGATCTTAGCACTACTTTAGACAATCTTTA
AAGCCTGGGTAAGATTCAATAGCTACCCAAGTGGCATTCTGACTTCAAATTGTAGTATC
ATGCAAGATTTATACTGGATTAATGGAGCCTGGAGTAACCTACATTTAATTATTTCCAT
TATGGGGTAAACAGCACTTGAATTAATA

Sequence 2952

CCCTTAGCGTGGTCGCGGCCGAGGTACTTNNTTTTTTTTTTTTTTTTCTGGATTTT
TAGNANAGACGGGGTTTTGCGCGTTTTAGCCGGGATGGTCTCGATCTCCTGACCTCGCGAT
CCGCCCCGCTNGGCCTCCCAAAGTGCTGGGACTACAGGCGTGAGCCACCGCGCCCGGCCT
ANAAGAGTTCCTAATACAAAGTAAGCATTCAATAAATATNTGTTGAATGAACAAATGAAT
GAATGAACCTTCTAGGNGTAAAGGGCTGNTTATAACAATCAAAATGTTTTCTTACCTAA
AAAGCGTGATTATAAATCAGCTTAATAGTTAGAAGACAAGTTTGAATTAATAAGGTTTAT
GAAAGGAAAGTNTGCAATGCTNATTTTTAAAGATNGCAAATTTCCCTATTTTTCAAAG
GTAGAGAAATGTTAATTTATGG

Sequence 2953

CCCTTTCGAGCGGCCGCGCCGGGCAGGTACAGTTACATTCTGTGGTTTTAAATCTTTTTT
AATGGGCTTGGTATTTCTTGCCGTTTTCTTCAATTATTTTCTTATTATTTGATTTT
ATGACCATTTTAAAGCTACCTTTATTTAGCTTTCTGATTACAATAATGAAATGACCAGTG
TTCTCTTTTTTAAATGTATAGTAAGCAAGAAGAGTGACCCACAACATCAACAGCCCCAGT
CCCTACAACAGAAATCCGACCACAATGAGCACCATGGCTGCTGCCGAAGCAGCAGCTGC
TGTTGTTCAGCAGCAGCAGCGGCAGCAGTAGCAGCTGCAGCCAATGCTAATGCTTC
CACTTCTGCTTCTAATACTGTCAGTGGAAT

Sequence 2954

AATTCGCCCTTTCNAGCGGCCGNCGGGCGNCGNACAGTTACATTCTGTGGTTTTAAATC
TTTTTAATGGGCTTGGTATTTCTTGCCGNTTTTCTTCAATTATTTTCTTATTATNT
GATTTTATGACCATNTAAAGCTACCTTTATTTAGCTTTCTGATTACAATAATGAAATGA
CCAGNGTCTCTTTTTTAAATGTATAGTAAGCAAGAAGAGTGACCCACAACATCAACAGC
CCCAGTCCCTACAACANAAATCCCCACCACAATGAGCACCATGGCTGCTGCCGAAACAG
CAGCTGCTGT

Sequence 2955

CCCTTAGCGTGGTCGCGGCCGAGGTACACCAAACACTTATTTCTACATAAATACCATGAT
TACACTGCAAGATTCTTTGACCAAATAAAGAAAGTAGAACTTTGTTCTGTTTTAAAAAC
TAGACAGACTATGAATCTCACCTGTAAGACATGTTATTGCTGTTGACATCATTTAC
AGTTTTTCTGGTGATACTGGTGGGTGGGTGGATGCTGGGGGAGAAAAAATNAAGG
TAAAAATNAACTCAACACACAGGGAATCTTTAAAAAATAATAGACCTGTAGATGCCT
GTCAATATATTATCTGTCACTGNTCTAATATAATGGGAAAACATTTNCCAGCTGAGACAA
TAATTTGAATCTTGGGCATTATCACTTGGTCATTTGGNTCTTAAGCAAANNCATTTTACT
TTTGCTGAAAGACAACCTGCTTATTNATTTTGGGAGATTTAATATAATTATTTCTGGCA
TTTTTAAANNGTCTTTTTGAAGGAAATNAAAANTTTNAAAAACNCCCNAAAATGGGGCT
CAACAATGNCTTNTNAAGAAATTTTAAAAAAACCCTTTNCCAATTTTAAATCTTTAAAA
GAATTAACCCAGACTNCCCTCNTTTAACCAAAAAGCCTNGNNGAAATGCCTNCTATTG
TANCAGGCNNTNTNTTTTTTANCCCCCATTTTCNAAAAANTAAGGNGNTNTTCCANT
GGTNCCCAAANTAAAAAATTANTTTTTAAATTTNGTTTTTAA

Table 2

Sequence 2956

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTAAAGTTCAGTTTT
AGTTTTTTACCACTTGATGGCAGTGATGGAGCTAGAGCTCTACCCTGAGAAGGTTAGGGC
AAGAACTCATTATGAATAACAAAAGCGTAGGTACAAAGGAAATCCCTGACATTTTAATAT
TATTCACATTTCTAGGTGATATTACTTATATTGCAAGTGACAGTAATAGGGGGAAAAGCC
TCTAGATGGAGCTTCAGTACTTTCTAAGGGAAAACATTTCTGTATCTTCCAAATGCAT
ATTTTATATTATTTTACATAATATATTAATCCAGAATGGATTTTACAAAATAATATTT
AAGGGTGAATTTATTTTANATGTAATTATGGGAAATTAATTCACCAAATTTCTAAATAA
TTTGGAATAAATGGCTNTTTAAAGTATCTTACATTTTTAAATCATTTANTAAATATTT
GGTGGAATAAAGTATTGTTTAAACCTTTTGAGGTCAAACCAATTTCTATCTAGTANTAA
AAGAATTTNCCATATCTAACCAGGTTTGGTNAAAAAGAANNNTTTTAATTAAGAAAGT
NCAGGGTGCTTTAAAAATCAAATANTTGGCCCTTTNAATTTAAATCTGGNCCATCTTNT
TTTTNTTATGGCCTAGGTATCAATTTCAAAAATTTGGNNTTTCCCAAGAANAACCATA
ACCTNTTACTTCCACCTCAATTGGCCCCAACTTTAAAAAAA

Sequence 2957

CCCTTAGCGTGGTCGCGGCCGAGGTACACATATCCTGAGCTATCCACAGTCCCCGAAGTC
TGCAACATTGCTTTAGGTGATAGAGACAAGATGGTCCATGCAAATGAGCTGACACAAGT
CATGTCGTGTGCAATCAAGATAGGATCCAGACATCTTCAGAATGGTTTACAGTCACAAG
AATAAAGTTCCAATGAAGTGGTTGGCATTTGGAAGCACACTGTTTTAAATATATCTCCC
TGAAGGTATGTTTATATATTAGTGCCTGGTCAATATCTGACACTATCTGTCAATTTATT
GCAAAAGGATATCAGGGCAATTAATAGGAGGGATCTTAGCACTACTTTAGACCAATCTTT
AAAAGCCT

Sequence 2958

CCCTTAGCGTGGTCGCGGCCGAGGTACTCCATTCTCCAGCATTTTCTACATCTGGCAAGC
TCGAAAGTGAAACCCTAGTGGGCCATCATGCAGGTTTGTAGTTATTTACTGTTACAGATG
AGGAACTGCGAAGCTACATGGCCACAGTCAACAACGACAACAGAAGGCAACATAGTATG
GCGGTTAAGAGCACCGACTCTGAAGCCAGCCTGAATCCTAAGAGCCAGAGCTGTGCAACA
GCAGGTAAATGACTTATCCTGTGCAAGNTTCTCCTTAATGGAAATAGTGCCCAAGGCCA
CAATATCGCGAGATTTACACCGTAAAGCTGGAAAC

Sequence 2959

CCCTTAGCGTGGTCGCGGCCGAGGTACAGAGAAACCACAGGTTGCCCTTTCCACAGCTGG
ATAGACTTATCCAAAACGGCAGGATGATTCTGTATTAATCTTTTGGAAAGCATGTCTGT
ATTAAGATTGCAAAACATACAGATAGCTACCACAAATTAGGTCAAATGACTGATCAAGTN
GTAACATCTGTGAGGTCAAATTCAGTTATAATAAAGTGCCTAGATACACATTTATACAA
CAGACCATAAGAGCTGAATTCCTTACAAATATCTTTATGGGCATGTAAAATTGACT

Sequence 2960

CCCTTAGCGTGGTCGCGGCCGAGGTACANAGAAACCACAGGTTGCCCTTTCCACAGCTGG
ATAGACTTATCCAAAACGGCAGGATGATTCTGTATTAATCTTTTGGAAAGCATGTCTGT
ATTAAGATTGCAAAACATACAGATAGCTACCACAAATTAGGTCAAATGACTGATCAAGTT
GTAACATCTGTGAGGTCAAATTCAGTTATAATAAAGTGCCTAGATACACATTTATACAA
CAGACCATAAGAGCTGAATTCCTTACAAATATCTTTATGGGCATGTAAAATTGAC

Sequence 2961

CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGTGGCTGGTTGTTTTACCTATACAAA
TCAAAAGGCTATTTTGATTGTCTTCATTTTCCCCTTATAAATTAGGTTGGTGTCTTTAGT
CATTTAGGCTAAGTTTTACTATCTGATTCTTAACCTTTCTATTGTAGAATGGTGTCTGCA
TGTGGACTGTCTCCCGAGTGTCCCACTGGATGTTAGAGAATTTATGTGAAGGTCACGT
CATTTAGCATTGAGATGCTGTGGTTACCTTCTTCATTTCTCCATAATATGCA

Sequence 2962

CCCTTTGAGCGGCCGCCCGGGCAGGTACTATTTTGCATTGCTCTAAAGGTTTGAAAG

Table 2

GTTCAGAATTAAGTTGGAAAAAGAATCAAATAAAACATAAACACCTGGCACCCAGTAG
ATGCTATGACAGTTCACATTATGGCTCCAGTGAACAAAAGGTCTACAGAAAACCTTTCCC
CCGTGCCTGAAAAAATACATGAACCATATGAAAGTAAATGCCACCAGACGGTCCTGGCTTC
ATGAAGCTTATATTTTCAATCAGAAGGCAAGGCAAGAACAGGAAGCAGCTACAGAAACAG
TATAGTTTTGGTTTCANAAAGCCTACCTAGG

Sequence 2963

TGCAGAATTCGCCCTTTTCGAGCGGCCGCCCGGGCAGGTACAAGACTTCTGTGTGCTTTCC
TGTGTCAAACATGATCAGAGGATCAGTGTGTGGAAAGTCCCAAGGTTTGGGCTGGGTGGGA
AGTAGGAAAGCCTCATAAACACTCAAAGCTGTGAATGGAAATTCACATAGTATTCTGTGA
TCAGTAGGTAAATAGTAACACCCAGGCCAGGAACGTGAAGGTGAAGTGAGGTGAGGGAAA
GGAGACAGAATACCAAGAGAAGCAAAACACTTTAACTAAAGGGAAGCGACAGACCTCCTC
CCTCCAGGAGAGGGCCAGCTTGAG

Sequence 2964

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGAGGTACACACAGGAAAGAAGCAGACC
ACGAAATGAACCTCGGCTGTACCTGCGGTGGGCGCACTAGAGGTCTTTTGAACCTCTTC
GGCTACCGTCGCCGCGTTCTCGCTGTGCACTCTTATTCTGCGCCTGCGCGCGGCTACAGC
ACGGTTCGTTTTTCTTTAGTCAGGAAGGACGTTGGTGTTGAGGTTAGCATACGTATCAA
GGACAGTAACATCCATGGCTCCCGAAGTTTTGCCAAAACCTCGGATGCGTGGCCTTCTGG
CCA

Sequence 2965

NATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGTGGACTGGGGA
GAACCTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGGTGTCTAG
AGCCTCACAGCAACTAAGACCAACCCATCTCTAGAAGAAGGAATGTCAAATGTCATGT
TCAATTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAAG
GAGGTGAATCCATGCATTAATCTTCAGCTCACAAGGAAATACTACATAATAAGCAAGAC
CACANACTNAAGAACGGACATTAATTGGATTTTTTTTTGCCCTGGCCTGGAAGAAAA
NGTACCCT

Sequence 2966

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TCANATGGGTGATGTGCCGACATCATAAGGGGATTTGAGGGAGGCATATCAAACATGTGA
ACATAAAAACCCCAATCATTATGCTTATCTATTACAAAAGGATCAAGTTTAGGCTCTTAA
AGCTCCCAATCAACTTGATCAAAAACAATAAAAGATTACTGTTTAGTTTTTCAAATATC
TGAGCTACTAAGAAACATATTTTGGCACTACATGAGTTATTCTATACTAATTATTGTGAG
CCTATAAGCTCATTAAAAATTTTAATTTTCTTGCAGACCTGCAAAATTTG

Sequence 2967

TTTCTGCAGAATTCGCCCTTTTCGAGCGGCCGCCCGGGCAGGTACGTCCACCCCTGCTG
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TAAAGCAGGAGGTAGAGAGTGAGGAGGAAAAACCCGACAGGATGGATATTGACAGTGAAG
ACACAGATTCAAACACATCTTTGCAACAAGGGCTAGAGAAAAGAGGAAGCCTCAGCTGG
AGAAGGACACAAAGCCGAAAGAGCCCAGGTATACTCCCGTGAGCATCTACCAGGAAAAGC
TGCTGCTCAAGAGGCTGGAAGCTTGTCCCGGTGCTTGATCATGACTTCCGGAAGCTCCG
GAGACTTGAACGCAAACTGATTGTGACACAAAGCCAAAANGGGATAGGGGGATTACCAC
TTTTT

Sequence 2968

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGGGTCTAAATTGAAATGGTGACAGTG
GGACCTGGTGTGGGGGTTGTTTGTGTGTAAGAGACACTCAGAGAAAGAATCCCTGCTAT
CTGAGAATTTAGGAGTACAANATNTTGGANCAGACGTAAAGAAAAGTTGCAAGAAAGAA
CAATAGAAGACCACGAAGTGGTGAATTGAANTGCTATCCAAGTGGGGGATAGAAGAAGAAA
ACAAACTATNCTTAGAAAAAATTATGCCAAATATGAGTCTTTNAAAACCAATGTATT

Table 2

TTTTTNCAGAGCATATGGTATCTTTTTGCAACTGAAACCNATNGTGAAATATCCCCCACA
CAGATTTTGCCANATGTTTCTGAGTTCAAGCCCCATATTTCTGNAATTCATGGGNTTCTT
TACCATGCCAAAAAGAACCNTGGNAAAGAAAGTNTTGGGAAAAAAAT

Sequence 2969

TCTGCAGAATTCGCCCTTTCGAGCGGCCGTCGGGCAGGTACAAAGTTGCCAAAGGCCTG
CATCCATACCATCAGATATTATGCATCTTGCTTTTCCACGATCAAATTCTGGGTCATGAA
CCAGATCTTCCATGTCTTCCAGAGTTTACGCTGATATTGAGTCATATAGGCCATGTAGC
TAGCAGCTCGGGCTGCAATGGAGGCAGCGTGGTAAACCTACAACCCATGACCTCCATTT
CTTTGAGGTAGAATCTAGAGGGGATGTTGTGTTTCTCTTTTGCTGTGGTCTAATGCTT
CTACAATGGGGCCTTCAGCTGGTGGGT

Sequence 2970

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTGTANTCTCAACTGGTGGTGTTAATATTGCT
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TGAAACAACCATTTGATGCTTATCATTGGATAGATGTTTGNTTTATTGTCATGCTTTAAG
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GATGCTATTCAATTATGCTTGTATTATTTCCAAATTTGTCCCCATTTTGCATTTTTTTCCC
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TTAGGGGGAAAGATCTGTATTAGTAATTGTATTCACTANAAGGGCTTCCAACCTGCCTGCT
ACTAAGTCATATAACATATTTATAAAGGAAATATGAAAATGGCTTAAACATGGCTTAACA
TATTTCTTTTTGGTAAAAATATATTTTTTAAATCAN

Sequence 2971

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGTATCCAGGCGCTGATCAGCGGTATTG
AAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACTTGTGT
TGCTTTGTTTGGAGGGTGTGGTGGTCTCCACTCCCGCCTTGACGGGGCTGCTATCTGCCT
TNCAGGCCACTGTCACGGCTCCCGGGTANGAAGTCACTTATGAGACACACCANTGTGGCC
TTGTTTGGCTTGA

Sequence 2972

TCTAGATGCATGCTNGAGCGGCCCGCNAGTGTGATNTTATCTGCAGAATTCGCCCTTAG
CGTGGTCGCGGCCCGAGGTACTCCNACTTTTNNTTTTTTTTTTTNGGTCTCAAAGACA
TTTATGAGTGAAAGAANCCCGTATCGAAAGCTTACATGCTATATGATTCCATCTGTGTGA
CATTTTCAAAAAGACAAAAGTGTAGTCATGGAGAANAGTGGTTGCCAAATGTTATATGGG
GGAAGGGGGTTACTNCAAAGGGATAACANAATTTTTAGGGTGATGTTNCTGCTGGAATC
CTAATTGNGGAGATGGTTACAGGACTCTACAAATATGTTAAAATTCACAGAACTGTNCNC
CAAAATTAANAAGTCAAAATTTTCTGTATGNTAATTTAAAAAATAAAAGAAATTTAAAAA
GGCAATTTGCCATTTAAAATTTATAGTTAACACATTTAGAGAGGCTATTTA

Sequence 2973

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCAGATTTATTGCCTGCCAGGATTGGAATTCA
TGCAGAGAGGAAGGATTTCATGAAAAAATAATCAAAGTCAGGAAAGTCTTTTCTGTAAT
CTTGTCTCATACAGTGAGTTATTTTTGTCTGGGTAGTTTACGGGGATGTAACCTCCTCAG
TCATCTAACCGTGATGTAGTAAAAGTCATTTGCAGGAAATGAAACTCCACTTTGTTACTT
TTTTCACTTAAAGGCTAATCTGATTAGCTTTAAAACATTTGTTTCATCTTTTAATTCAGTA
TTTGTATGATGCCTATGGAAGACATATGGATTTAAATAGAACTTGGCTAACCATCTACCA
ATAAGAGAAAGTGAGATGCTAAATCAGAGAGGCAGGAAAGTCTATTTTCAGTAAAAGCTAT
TTTGACCTGAAATACTGTAGGCAGTCTTACAGAGTATTTTAAT

Sequence 2974

CCCTTAGCGTGGTTCGCGGCCGNGGTACTCCAGCCTGGCTGACAGAACAAAGACCCTGTCTC
AAAAACAAAAACAAAAACAAAGTTTCTGTTTGTAAATCATCAGCTTGTGATAGAAAAC
CACAGAATTGGAGAAATATTTACTATTCTTTCTTTCTGCTAATACCACTAATCATTTTC
TATGAAAGACCTGTTCTTTTTTTGAACTTATGAATAATGTTAGAAATGGAACATGATGTT

Table 2

TTAAATGTATACATAAACCTTCCAAATTAA

Sequence 2975

CCCTTTNGAGCGGNCGCCCGGGCANGTACCTGAGCCCAGTTCTCCACCTGGCATGGCTC
TACAACCATGAAACCTGATGCCCTCACATGCNTAANAAGCCCTGACAAAGTGGATGTGG
ATATNTNTNTCACTCTGCAAAATGAGACTNACGATGACCTGCAATGTGATGCTTCTTTGG
GCCTTGAAAAAAAAAAAAAAAAAAAAACCACNNAAAACCACCCAATTGCTTTAAGGTTGC
CTGANTCANAGGGGCACCTTGATGCTNTGGCCAGGGACACTGAAGACTGAATCACCTANCT
TGCCTTTGCATAAACTATTTACTAATATGTGNTTTCATTTCTGNTTTTTTCCAACCT

Sequence 2976

CCCTTAGCGTGGTCGCGGCCGAGGTACAAATCTAGCTGAGAACAAAGAATTTATATTCCA
AACAGGATAAAAGTATGAAAAATGCTTTATTACCTACCTAGTATTTTCTTCCCTCCGTT
TATGACTTCTTTACATACACGTTTTATGGAATTATTCAGGCAAATGCCTTCTTTGGGAC
TCCTAACTCTGTGTGCAGCATGGTTGAAGAATGGGATATTCTGTTACAGATACATCAGG
CACATCACCAACTCCCAACGAATCAAATCCAATTGAATGCTTTTAACCCATAAAATTTTCA
GGAAACAAATTTATCATCTTTGCTAAATTAGAAGACACAATGGGAGCCATATGGTAATGG
TGACCATATTTCCCAAATTATAAATTTATGGCATAGAACCTGAGGAATGCTCATCATGGA
AACACAGGAGTGAAAATTTAAATGCAAGCAGTGTGGGCCCCATATTGCTCTATGGCTAC
CATGGCTGCCTGTCCCATT

Sequence 2977

CCCTTTGAGCGGCCGCCCGGGCAGGTACAACATCTGCTGTTTCAATAGGCTGCATCCAT
TAGAGCTGCTGTTTCACTGTGTGTTTGTGCCTGAGTTGGAGGTGGAGGGGCAAAGACAGC
GTGGGCCGTGATGGCCACACACAGGGCATGCGTGTCTATGGGGACTCAGACCCTGGTGGAG
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TGAATCAGCTGAGGCAGCACCTGATGAAGAACTCAGGAAGACAGCCCCACATCTCTAAG
GAGAAATGAAGAAAAGCAAATCCTGCTCTCTACTTTTACCTNCTGCTNCCCATGTTT
CCTGCCTGGTTTGCTGTTGATCTGTTGATT

Sequence 2978

CCCTTTGAGCGGCCGCCCGGGCAGGTACTTGCTTGGTCTCCCCCTCCCTGGAAACGTTCT
CAAATTGGTAAGAAAGGCAATTACAGGGCTCAGCTCGTTTGTTCACCTGTCAAAGCA
CTGTCTTCATTGTCTGATGTCCAGTGTCTCAATACCATTGTCTTCTTATTTATCTGGAT
TCTGGGGTTGTTTCAAGGTGGGAGGGTAAATTNAGTCCCTGTTACTCCATCTTGACTGAAA
GCAAAAGTCCAGTTTCTTTAGTTTGNTCNCCCCTTATGNACAAGAACTNAATCCCTNCNA
AATGAATGGGTTANNATGANTTTCCCTATTAGGGTTTTANCTNATTTGGGCCAAGGATG
NGTGNAACCAATTGGGTTACCCCTTTNCNTTCATGNACACCCTGGACTTGANGTTNACC
CTCTNAATATTNATGGCAGNAATTCTGCTGANATTGTTAGAAAAA

Sequence 2979

CCCTTAGCGTGGTCGCGGCCGAGGTACGGGCATTGAATACTGCTGACTGGCTTTGGAGAA
TGATTAAACAAGAAATATGTTATAAGATAAAATGGTAGAAACAATAAGTTTGAGTATG
TTCCCAAGTTTCATATGTTGAAAAATTAATCCTCAAATTCATATGTTGATGGAGTAGAC
CCCATGATGGGACCCAAGGCTTTATAAGAAGAGGAGGGACCTGAGTTGAAATGCACTTTT
TGCCCTTCCACCCTTCTATCACAAATTTAGGCAGCAAGAAGGCCCTCACCAGATGTTGAG
CAAATTCGAATGTCANGCTCTTGGAATCTCCCAATCTCCAGAACCATGAGCCCGAATGTT
TCTTTTTNAAATNAAATTATNCAGTCCCGGTGTTTTGTTACAGCAACAGAAAAATNGAC
TAAGACCAAGAATTGGAATAAAATTGGAATAAATGTTTCATGTTATGGGTTTGGATACCA
ATGGGGGTCTGACCAACNTTTTATTTAATGAATGCCCCATCAAATNTTGAAAAGAACCCA
TTNTNGAAAAGGTTTTTATTCCTTNGGGGTTTCTATTCTTGNCTTACCNGCNTTCTTNA
TAAAAAAATTTTGGGCANTTCCCCAAAAANCCATTTCTGGGTTTNCATTTTNAAAAAAN
TAAATTCAGGCCCTGGGCAAAAATNTTTNCCTNGNTTTTAAGCCTTTTTTCCAAGGTT

Table 2

AACTTTTTTTT

Sequence 2980

GATATCTGCAGAATTCGCCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGACACATTCA
GAGGTGAGCCCAGAGCGGGTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCA
GGAGCAGCCCCACGCCCTGTATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACC
CAGCTCTCAGAAGAAGGAATGTCAAATGTCTGTTCAATTTTACATTTCAGTGCCTGGAA
TCTTTTCTTACAATTGAAATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTC
AGCTCACAAGGGAATACCTACATTAAGAAGCCAAGACCACAGACTCAAAGACGGACAT
AATTGGATTTTT

Sequence 2981

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGACGCCAACATGGCGGCGCCAGTGGC
GTCCACCTGCTCGTCCGCANAGTTCTCATAGAATTTCTCTTCACCACTCAATCATATC
TACTTACACAAGTAGTCAAGCAGTCAACAAAGAAGAAATTTCTTTTTTCGGAGACAAAGA
GATATTTACACAGTATAGTTTTGCCGGCTGCAGTTTCTTCAGCTCATCCGGTTCCTAAG
CACATAAAGAAG

Sequence 2982

CCCTTTCGAGCGGCCGCCCTGGGCAGGTACCTTCACAATACATTGGCAAATCTGAAGCT
ACAAAGCACAAGAGACCAGAAAGCCAAGTAGAAAGCTATGAAAAACCATTTTTAGGAAGC
TAGTATTAGAGTTCAAGACCCAGCAGTGAGGACAAGAGGCTTTTGGTGAAGTGTCTGGGA
TTTCATTTGAAAAGTCTGGAGATTGGTGCCTTTTAAAGAGGGACAAAACCTAAGGGTAAGT
GAACTTTGGTTCTAGGAATGGCAAGATCAGCAAGAAGATCACCATTGCCAAGTGTAGCCT
TTACACAATGTCTATAGCAGCCCAAATTTTCAGTCANGCNTATTTGAATTAAGTTTATTGTC
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AAGAAAAGGGGGCCAGAACCAATTATGAAATTTATTACTTCCNNANAATGAATTCAGGG
CCCGGGGGGGNGTTTAAANACCNAGGGACTTTGGAAAAACNCATTGGAATNANTTGGGT
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Sequence 2983

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTCTTATTATCCTTTTAAATATACATGATATA
GAAAGTAATGACTACTCTTTTTTCTTTTATTCTGGTTTTATAAATTTTGTCTTCTCT
ATTTTGTGTGGCTGGACTGGCTTGGATTGAGGATTAGAAATTTCCAGATCTTTTCAA
GAATACAATGTTAGTTTTGTTGATTTTTAAATTGTTTCCAATTTTCCATTTCAATGATT
TTCTCCCTTTTATTATTTATTTTATCTCCTTGTGTTTATGTTTAACTTGGNNTTTTTTC
TCTAGTTGCTGAACACTNGATTTTACCGTCTTTAATATTTTCCGAATATATGCACTTAA
TGGCTATACATTTTCTCACTAAATCATTACTTTTACTATTATTCTACAAAACCTTTTCAT
TAAGTTTTGTTTTAACCANATTTNGTTTTAAGTGGGTACCCTATTTTTTAA

Sequence 2984

CCCTTGAGCGGCCGCCCGGGCAGGTACTTTGGCCACCGTCCCCGGAATAACCGCGCCTG
CCTCTCAAGATACCCCATCCTCTCCACGCCGCTGCCGCTGCCGCCATGCAAGGGGAGGAC
GCCAGATACCTCAAAAGGTGACGACTCCCCAAGGCTCTGTCCTACCCTCCTTGCCAGGGC
CCTGAAGATGTTCTTGGGTTGGCTGTGAGATGTCACTGGGCAACGCTAGTTTAGCAGACG
GGATGGGAAGCAGGGAGAGAAGTCACCGAAAGGAGAGGGAAAAGGTGAAGTGGAGAAAAA
AGGAGAGCTCTGGGGGGGTTTCAAAGTCTTTGACCTGACTCGGCGGAGCCCTTGACAGC
ATTTGAAAGATGGTTTTCTTCGNTACANACCTTATTCCAAG

Sequence 2985

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGTGGCTGGTTGTTTTTACCTATACAA
TCAAAAGGCTATTTTGATTGTCTTCATTTTCCCTTATAAATTAGGTTGGTGTCTTAGT
CATTTAGGCTAAGTTTTACTATCTGATTCTTAACCTTTCTATTGTAGAATGGTGTCTCA

Table 2

TGTGGACTGTCCTCCCGAGTGTCCCACTGGATGTTTCAGAGAATTTATGTGAAGGTCACGT
CATTTAGCATTGAGATGCTGTGGTTACCTTCTCCATTCTCCATAATATGGCAGCCAC
ATCTATGTGTGAAGAAATGTAATAAGATAAAATTTCTCTGGACGCATAATAATGTGAGAA
AGATTGTCACATGTCCAGCAAATTTGTTATTAATATAAATTTGGTTACTTGGCAAGCTGA
GAATTTTGCCAGATGTTACTCAAAAATTTCACAATGAAAGGAAACAGGGAGTCATCTTAT
CCCTGGG

Sequence 2986

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGGAGACACATTTCAGAGGTGAGCCCAGAG
CGGGTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGC
CCTGTATGGTCGGTGTCTAGAGCCTCACAAGCAACTAAGACCAACCCAGCTCTCAGAAGA
AGGAATGTCAAAATGTTCATGTTCAATTTTACATTCAGTTGCCTGGAATCTTTCTTCACA
ATTGAAATGAAATGTGCTTGAAGGAGGTGAATCCATTGCATTAATCTTCAGCTCACAAAG
GAAATCTACATAAGGAAGCAAGACCACAGACTCAAAGACGGGACATAATTTTGGATTTT
TTTGCCATGGCCCTGGAAA

Sequence 2987

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTCTTTAG
TTGATTATATTATTGCATTAAACANAACAATGCCTGCTACATAATAGGAATTCATCTG
TTTAGTGGATCGGNGAATAATANAATGTGATTGATTTTGAAAGACATAAATGAAAAAAT
AGGNGGATCTTGCTACATCTTACTAAATCTGATAATTANATTTTGGTTCTAATCTTT
CTTCTTATGANAAGATTAGACAGAATTNTTCATAAAGCACATAACAAATAATGTTTCAT
ATCAGGTT

Sequence 2988

ACTTTAAGAAATTATAGCAGTTCTTCCACCAAAGGGAAGGGCAGGTAAGACCCTGGTTA
ACTGATTAGTGAAAAGGTTACGCTGCCTACACTTGAAGTTTTGAGTTCGTGCCTGAGACC
CTGAGGCCTGCAGCATTGCAGCCATAGGGCAGGATTTCTCAGCCTCATCACTGCTGACGT
TCTGGGCTGAATGAGTTTTTGTCTTGGGGCTGTGCTGTGCATAGCAGGGTGTGAGCAGC
ATCACTGGCCTCTACCTACTACTTGTGCTAGTCAAAACCCC

Sequence 2989

GGTATTCATTCTCCAGCATTCTTCTACATCTGGCAAGCTCGAAAGTGAAACCCTAGNNGG
CCATCATGCAGGTTTTGAGTTATNTACTGTTACAGATGAGGAAACTGCGAAGCTACATGG
NCACAGTCAACAACGACAACAGAAGGCAACATANTATGGNNGGTATAANAGCACCAGCTNT
TGAAAGCCAGCCTGAATCCTAGAGCCAGAGCTGTNCAACAGCAGGNAAAANTGACTTTAT
CCTGTGCAAGTTTCCTCCTTAATGGAA

Sequence 2990

ACTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTNGGAANCTTTNNNANCTTTAATGGANN
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TNAAAAANTTTCCCCNTTTCCNTTTTAAANGACTTTNGTTAANTTACCCNAAAAAAA
AAAANCNGGGCATTGANNNTTGGTTNNCCTTTTTNCCCCAAATTTNCACCCCTCCCC
NTTTAAAAAANNAANNTNGAAAANGGGCCCNNTTTNTTTTTNGCCNAAAAA
AAAAAAA

Sequence 2991

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GAAAGTAAAGGGCCAGTCTCTTCCAAAATGAAACAAGATACAGCAAAGGGAATATACTTA
ATTCAGAAAAGCAGCTTGGCAAGACTGAAAGGAGCCTGAAGTCAAACTCAGAGACTCCC
AGGTCTGATTTATCCTTCTCTCCATTGGCTACATGTTTCATAAGCTGAATGTTCCAGTCAT
GGGAAATGGACGTGAGTTCAAAATGTGCTAGTGTGACTGTAAATGCTTTGNCCTCATC
TTTCTGATTCCAGAGACTAAATACTTATATGGAAATCAGCCTATTAATAACATCTTATCG
TAAGGGATAAATTACAGTGCCATCCATGAAGCAAAGGGACTGGCAAATTATCTAGTGACT

Table 2

ACAGCCTTTTAGATAGGGGCAGGAGAAATAAAGGGCAAC

Sequence 2992

GCCGCCCCGGGCAGGTACCTAAGGCTTTTCACGGATTGCATACTCAGGACAATTTTCAGGA
AATTAATTTCCAGATCCTCCATATACACTATACTCTTTCCTTAAATTGATCTGCTGAGAA
TGAGTCTTTGTTCACTACTGTTTCCTTTCCACAGAAAAAGATATAGGCTACCCATCCCA
AATCTTAATACATTGCTCTTAATGTGACACCAAAACCTCAGATGTAGCAAACAGAGGAA
AGGTTTGATGATTAATCATAAAACCATAGAGCCTTGGGCCTTTGCCTCTTATACACATGT
TAAAGCTGATTATGATGTTAGATAACATAGAAATTGGGTGNTTGGGACTCACAAATAGAT
TTTCAGAAITCAGATGTATGATAAAGTGAAGTGATGGTAACAATTTTTTTTTTTTAA

Sequence 2993

GGTACAGTTTCTGAGTATGGGAACCTCCCTCCCCAAGTGGTGGGAAGTTACAGTTAACTA
CAGCTTACTCAACTATCACTTCCAGAGGTTTAGTGTTTTAATATGGGAAAGAGGAGAAA
TCTCAGGTCTAATCAGGGTTCTGCCCATCAGCTTTTCACTGAAACTTTCAACTGTGTTTT
GTTTTTGTTTTTTTTCCATCTTTCAGTTTCTAGCTGTGTTTGCCTTCTCCCTCCGCGT
TCCCTCCTCTTTTTTGTCTTTGGTCTCCTTTCCAGCTTCATGTCTCCATGAGTTCAAGC
TGTACCCTGCATTTGGGAACAGAGAGAAAAACAAGAATTTGCTTGAAAAAAATAGGCC
AGGTGCGGGTGGCTCCACCTGTAATCCAGCATTTT

Sequence 2994

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGTCTTACCCCCATGATCAGTTTAAAGA
AAATGTGTAGGTCAATATACAAAGGAATACATTATACTTAAATTATTCACAAGATTTTGA
TAAAAAGTATGGTGTTATAAAGGAAAATATATTACTTATATTGNTTCCTAATATTATAA
AGTACGANGAAACAACAATCTGATAATGATTGTGAAATCACCANGGATTTTNTCACTTAT
TTAATTTATNTTTATCTCTTTTTTAAAGGGCCCCCTCCTGG

Sequence 2995

ACGCGGGATGAACAAGCTCAGGAAAAATCTAAGAAGGCCTTAATTTCTCACCTCTAGCTG
ACTTTCAGGCTACATAAACAGGAATTGAATGATAAGGTAGAAATGTGAACCTCCCTGACTG
AGTGTTGAAGGTATGCCCTACACATCCACAAAACCTTGAGCAAAGACTAAACTAAATAA
GCAGAGACTTAAGTGGCCACACATAAAAAAGAATACAGACTGCAGAAATGTGTTCCCCCAA
AAAATCACTAAGCAAAGAGCAGGAGTAACAATAAACAGCANCAATAAATNCTGCANAAAA
GGAGATTTTGGNTTTTTANGAGNTGCCCTTNTTTTTTTTTTTNAANCNNCTTTTTTTTT
TCAACAAAAAATTTTTNGGGGGNCTTGCCAAAAAATTTTTTTTTTTTTTTTTTTTTT

Sequence 2996

ACCATGGTGCTGNACAGACCATCAGGAAGAACTGAAAAGTTCAGGCAACTTGAGAAAATA
AAGTCACCACCAGCAAGAAGCTGTNTAAATAACCGGAAGATTATAACCCAAGCACGTGG
AGGAGTGTGCTAGTGAGTAGAATTGTTATGAAAGCTATTAGAGGTCTCCATAGATGCAT
GTGCTTAGTCCTAANGNAGAAGGAA

Sequence 2997

NAGGTACCTGTAAAACTCTTATCTAAATTAAGCTATNAANTTTATTAANGGGTGGNANTN
GGGCCAAANNNNCCCATAAAAGTTANCTTTTTNTNTAAAAAAGGAGANTNACNCTTTT
TNATTTANTGGTTGNTTACNCTCNTANAANNAANATNNGTNCNCNANCAAACGNGTTTA
CNTTGTNTTTTTTATGCGGAACNACNNTGGAAGNCTACCNCNNNNATTGGGAAATGNAG
AAAAAAGGTANANAAAAATTTTANAAAACCCCTAANNAACTTTTGGCANGNAAAGAAA
AATAAACCAACCTAACCAAGAAAAAATTTTTTTTGTNGAACCCCTGGGGGGGGGT
TTTTGGGGCCANAAAAGGAATTTTTCTTTTAAAAAATTAATTGGAACCAACCCCAAGGA
AAAGNCCACCCAAGGTCTTATTAATAATTTGGGAAAACCCGTTAATTTTAANGTTTTTTA
ATTTTGGGGGGTTTTAAATTTCCAAAAAATNNGGTAAAAAACCCTTTTCTTGGCT
TTCTTTTCCAAAAAAGGAACCAAGGTTTATTTTANAAGCAAGGAAATTTATAAAAA
AAAGGNAAGGAAAAAACCCTCACCAAGGAATTTGGGAATTAATTTCTTTTTTGGTTAA
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Table 2

ATTATAAAAGGGAAACTTNTTTGGNAAAAGGCCTTCAAATTAGGTTNA

Sequence 2998

ACTCAAGCTTTGGCTTTTCTGAACCTTCCTTATTTTCAAAAATGTCCCCAGCCCCACTT
CCACCTGAGACATTACACACCCCCATTTCTCTTCCAGGAAGGCTCTTATGTGCGCTGGG
TAACTTACTCTTCAAGCTAGTGACTTTTTTCCAGAAGCTTTCCTGATATCTTTCCATT
TCACCCCACTGCTGACTTATTAATAATTTCTAGAATTTTATACTTTTACACTACATTCTCT
GTGTTGATTCTCTTATTCAGGGTCTGCTATTTAATTTTAAAGTTCCTTGAAAATAGAGA
CAATTTCAATTGTTTTATCAGTTTGGTCCAAGTATATATAACATAGATGAAAAATAGATA
TTTTGTATTATATATATTATATAAATAATTGTTGAATGAGATGAATAAACTATAGTGAGA
AGATGCTAGGCTTTGTTAACCATTTCAAAAC

Sequence 2999

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTGCATTTTCAAATGACTTTGACTATTGCC
AGAGTCATTATAGACCTGCCTATGATGTAGGAGTTTATTGTATCTAGTGGAAAACATACC
TGTTTGTGGGGCAGAAGCTTCTGTTCCATTATCCTGATTTTAGACACAGCATTTAACTT
TTCAGGTTCAAGTCCATATGTATAAAGTAGGGATAATAGTGACATCCTAGTGATTAAGA
ATTAAGGTGTTATTATTTCTGTCACTGTTACTTNACCCTAATTTTGTTCACACTCAT
CTCTGAGCTTTT

Sequence 3000

CCCTTTGAGCGGCCGCGCCGGGCGAGGTACGCGGGTCATTTGGGCGGTCAACGCGGGTGGA
GAGGCGCATGTGGACGTGCACGGGATCCACTTCCGCAAGGACCCTTTGAAGGCCGGGTG
GGCCGAGCCTCAGACTATGGCATGAACTGCCAATCCTGCGTTCCAACCTGAGGACCAG
ATCCTGTATCAAACCTGAGCGGTACGCGGGGGGTTCCGGGCGTTACCATCGTCCGTGCGCA
CCGCCCCGGCGTCCAGATTTGGCAATTCTTCGCTGAAGTCATCATGAGCTTTTCCAATC
CTGATGAAAAGGAGGGAACCTATCCCTTGGTGGTGTTCATGACTGTGGCGGCGGGTGGA
GCCTCATCTTTGCTGTGATTCTCTTTGAAAACCGATGTGATCCTTGATCGAAAAAAA
AAATCCAGAACCCTGGGAAACTG

Sequence 3001

CCCTTAGCGTGGTCGCGGCCGAGGTACCAAGTCATATTGGATTAGGGCTCATAATGTCATT
TTAACTTAATTGTCTGTCAAAAAATTCTGTCTTCAAATACAGTCACATTTCTAGGGTTTA
GGATTTTAACATATGAATGCAGGGGGACAATTCAGTCCATAATACTGTGGTTATCACTTT
TTGGTCTTAAGATGATTGCTACAGCTCTACAACCCACATCTATTATAAAAAACAAAAAGAA
GAGAGAAATAAATTGAGAGAGGAGAGTTCTTGATCACTTTGCAGGACGTGCGACAGGGG
TGTTGCTCATCTGTTTGGCCACCACACATTCTCAGGCCCTTTGCAGGACAGGGAGCATGC
TGACAGGCAGGTGCAGCAACCCAGGCGAGTGCCTTGGGGCTCCAGCCCCAAGGTAGGATC
TAAGGGT

Sequence 3002

ACTTTGCTACACGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTACGCTAG
CTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGA
ACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAATACG
ACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCA
TCTGCCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCC
TTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCATGGT
CCACTGAAGTTCCTTATGCCACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAAT
TCCTTGAAATTTGCAAGTTGGTCTGGGTTCATGTCTAAAGCTTGTTCCAGCTATCCAGAA
TGCCCAACAAGAATTCAAC

Sequence 3003

CCCTTTGAGCGGCCGCGCCGGGCGAGGTACCCTTCACAATACATTGGCAAATTTCTGAAGCT
ACAAAGCACAGAGACCAGAAAGCCAAGTAGAAAGCTATGAAAAACCATTTTAGGAAGC
TAGTATTAGAGTTCAAGACCCAGCAGTGAGGACAAGAGGCTTTTGGTGACTGTCTGGGGA

Table 2

TTTCATTTGGAAAGTCTGGAGATTGGTGCCTTTTAAGAAGGGACAAAATAAGGGTAAGT
GAACTTTGGTTCTAGGAATGGCAAGATCAGCAAGAAGATCACCATTGCCAACTGTAGCCT
TTACACAATGTCATAGCAGCCCAAATTCAGTCAGCTATTGAATTAAGTTTATTGTCTACT
TGCCAAGCTAAAGAATGTATGAATGCTGTCTTTAGAAGATAACATCATATGGAGGGTCTA
CAACTTCTTAGACACAATGTCAAGCTTTTTAGTAAATATACTAGACATTCAAGAGATG
GGATTGAAAACCAAGAGAAAAGGGCNGACCAATAAGAAATATACTCACAGATGATTCAAGG
NGTGGAGTTAAGACCNAGGACTTGGAATAACAATGATAATTGTTCAAGAAAATTNAAGAC
NGGGGGAAAATAATTAAANGGGAATTT

Sequence 3004

CCCTTAGCGTGGTCGCGGCCGAGGTACNGATATATAACAATGAGGTGCTCCATCAACCGC
TTTCTGAAGCTCAAAGGAAATCCAAAAGCCTAAAAATTAATCTCAATCATGCAGGAGATG
CTCTAAGAGAAAATACATTGGTTTCAGAACATGCACAAAGAGACCAACGTGAAACACAGT
GTCAAATGAAGGAAGCTGAACACATGTATCAAACGAACAAGATAATTGTTGAACAAACA
CACTGGAACAGCANGGAGGTCTCTTAGATCAAGAAAAATTTTCAACCTTACAAAAGCA
AAAAATTATGTTGGCTTTTCANACCAGNCAANTTAAGTNTCATGCCACATAAGGAAAGGN
TTGGACCAACANAAAGCAAAGGATAACCANATTGGATATTTCCATTTTTTCTTTGAAGA
AGGGAAAAAATGGCCAACCATTCNTTCTCNCCTTAAAAAAGGAAGAAAAAATTTGGAG
GGGAGGAATATTTTAAAATTTACNAAATTAACCCCATTTTTAAAAA

Sequence 3005

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGTCTTACCCCCATGATCAGTTTAAAGA
AAATGTGTAGGTCAATATACAAAGGAATACATTATACTTAAATTAATTCACAAGATTTTGA
TTAAAAAGTATGTGTTATAAAGAAAATATATTACTTATATTGTTTCCTAATATTATAAG
TAGAGAAACAACAATCTGATAATGATTGTGAATCACCAGGATTTTTCACTATTTAATTTA
TTTTTATCTCTTTTTTAGGGCCCTCCTGGTATTCTTGAGAGAAATGGTGACCCTGGTATT
CCAGGACAACCAGGGTCCCCTGGTTCCTGGCCCCCTGGAATCTGTGAATCATGCCCT
ACTGGTCTCAGAACTATTCTCCCCAGTATGATTCATATGATGTCAAGTCTGGAGTAGCA
GTAGGAGGACTCGCANGCTATCCTGGACCAGCTGTCACCAAGCACCTATTTTTATACTT
AACTTNCCATGGAGAGAATAATGGCTTGGTGCATTTTATGTATCCATAACATACATACA
AGGCTCGGTCTTTTTCAATGGGGATAACAAGTTTCACAACCTCTTNGATTTGAAATGNT
AATGGAATCTTGGGTNGACCAANGGATTTTTCTTTAATNGGATTCAAAAGTTAGGCCN
AGAACTTTTTAATGTCAAGATGAAAAAGGGTGTAAGGGGACCCTGCCCGGGCC

Sequence 3006

CCCTTTCGCGCGGCCGCCCGGGCAGGTACCAGCTGCTCTACGTGGCGGTTCCANTGGCC
CTCCCTCAACAACCATCTTGGCTTCTTCAAACAAAGTGAAGTGGGGACGACATCAGTG
TGCTCTACACTGTCTGGGGGAGCCCGATGTGGAGGTGGAGTTCACCTGGATCTTCCAG
GGCAGAAGGATGAAAGGCCTGTGACGATCCAAGACACTTGGAGGTTGATCCACAGAGGAC
TGGGACACACCACGAGAATCTNCCAGAGTGTCTTACAGTTGGAAGACTTCGAGACGATT
GATGCANGATATTACATTTGCACTGTTNANAATCTTNAAGGACAGACCACATGTNGNTAC
CACTGTTGANTTTTTCTGACTTGGAAAAGGAAAATGTAATTGAACCTATNGAAAGCCC
CATTTGATGNACCTTCNNNCCTGTGACCACNCTAAGGTNNAATTTCCANCCACNACTGGG
CGNTCGGTTTACTTAAGNTGGATTCCCGNAGCTTNCNTTACCCAAAGCTTGTTCTNTAA
ATTNAATGTTTATTTAGCTTTTTTTNTGTANTTAAAAATTTTATTTTCANTTTNNNCT
TTTTATNACTNCNANTATTANNAATACTGTNNANANANTAAAAATNTTTNNTNTNTAN
NANTGCTTAAATANANNTNNNNTANAANTTCAACNTTAAATTTNNTCTTTNNNTTAAAC
TTNTANCCNTTTATCTAATTTNNGTNAAANTTTATNNTATTNCNAATTATANATNTAAT
ATATAANNTCNANATTTNTNTCANNNNNTTCCCNAGGGGGNGGAANANCCCCCCCCCCC
CCCCCCC

Sequence 3007

GGTACTTTTTTTTTTTTTTTTTTTTTTTTTTCCATTCTCACACTCAAACTTTAATTG

Table 2

AGCATTAGAGGGATATAGAAAGAAATTTGGGCTTATGGCCANATTAATAACTTGTTCAAN
AAATNTTTACTGANATAGTGCCAGAGGATGCTGANAAGCAGGGTGAATAAGTAACCAAAA
AGGCAGGGTTTTNTTCCTTTTGAAGCTTCCGGTCTATTAGGAATGCANACAAGTCAGCA
GGTAATCACGGTGTGCACAGGTGANATGGACTGTGATAAGGGAAGTTCGGGCGCCTCCTG
CAGTGGGTGCTCCAGCATCCCAGGGGGCTTAGATGAAGCAAAAATGGGGG

Sequence 3008

CCCTTTGAGCGGCCGCCCGGGCAGGTACTCCAGCCTGGGCGACAGAGCGAGACTGTGTC
AAAACAACACCACAAGCTAGCTGAGTAGGGATTCTTGGGCGAAGTGAAGACATTATAAG
CAAATAGGGTAGTATGGGCATGGAACGAACTACATGATTAAAGATTAGTATTATCTGGC
GAGGGAGGAAAAGTGCCAGAGCAAGTGCCGAACTGGAAGGTTACATTTAGTTTCAGGATA
TGAAGATCATATAGGGCCTGCACGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAAGC
CAAGGTGGGGGAGGAT

Sequence 3009

CCCTTTGAGCGGCCGCCCGGGCAGGTACCAGATTTATTGCCTGCCAGGATTGGAATTCA
TGCAGAGAGGAAGGATTCATGAAAAAATAATCAAAGTCAGGAAAGTCTTTTTCTGTAAT
CTTGCTCATACAGTGAGTTATTTTGTCTGGGTAGTTTACGGGGATGTAACCTCCTCAG
TCATCTAACCGTGATGTAGTAAAGTCATTTGCAGGAAATGAACTCCACTTTGTTACTT
TTTTCACTTAAAGGCTAATCTGATTAGCTTTAAACATTTGTTTCATCTTTAATTCAGTA
TTTGATGATGCCTATGGAAGACATA

Sequence 3010

CCCTTTGAGCGGCCGCCCGGGCAGGTACGAGGGGAAGTACTTCTTTTTTATACTATGT
GCTATATAACCAAATAATAATTGATATTACAAGTTTCAGTTTCACCATTTACCAACTGTC
AATTTCTTTGAGCATTAAAGTCTCCTCACCTGTGAATTAGGATAATGGTACTCACCTGAA
GAATAGTGGAAGTGGTAACAATGTATACAAACAACCTAAATGTTATCTGAAGAGTAT
CAAGCATTATATAGTTCGCTTAATTCACCTCTCTTTGTGTTCAGTACATTTCTCTCTAT
ACCTCTTAT

Sequence 3011

CCCTTAGCGTGGTGC GCGGCCGAGGTACTAATCTTAGGCCAACTGGCCTGTTCCATCACA
CCCCACCACATTCTACCTTCTGGGGCGTGCTCCTACCACACCTGCTAGAGTGCCTTTTCT
ACCTAACTGCCAGACTTGACCAAGTTAGGACTCAAATATGGCAGGTCTACAAATACTC
CAGAGAACCCTGATTTACATACCTACCTGTEAACTGAGAAACCTTGAAGTCAAGGCTTAG
TGTGTGAATTATCCCAAGCTGCTCATCCCAGTTTGGATAATCCCAAAGTGTCTATGTG
GATAACTACCTGGACAAAGGATTCCTGTG

Sequence 3012

CCCTTTGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTCGAATA
AGCTTACTTTAATAGATCCAGGGGACTGTTTAATGCACTGAANAATTATTTTTCAGGCAT
TCTGTGATGTCCAAATTAGGTTAATATACCTCTGAGAAAGTGAATCACTTACTCCTCGTTG
GATAGTAAGGTGAGAACAACTGTTCCCTGAAACCTTAGTACACACTAGCTGATAAGACACT
GTTGCCCATAAATGTCTATTTATTGGATCAGCAATTTATAAGTCCCGC

Sequence 3013

CCCTTTGAGCGGCCGCCCGGGCAGGTACCGGGAGCTCCATTTGTGCTCTTGGAGGGAGA
AGTGGCTGCTCCAGGTGGCAGGGGTGTTGTGCCANATTTGAGGAGAAATGAGCCACTTTC
AGAGCTTGATGGCTGACTGGAAGTCTGGCTTTTAACTTCCCTTTATCTTNTTGATTTGT
CANAGTTGTTTGCTGTGATTGGAGTGATNGAGCAACATGGGATTAACTNTTGGCGCTG
TCCTTGNAAGGGAACCCATTTTTTTNGGGTTTAATTTTTTNCGTGTGGCGTNTTAGNT
GGCTTTTTNGAACCCCTTTCTTTTGGCCATTGGTTTAACTNTTNCCTTTTTGCAATG
TTGGNGGGCCNTTCGGGCCNTTGGGCCTATTCTTGNAAGTTTAAAAAGNCGGAAAGNC
TTNNCCAANNACNATTTACCAAAGGAAAAAATAACCNNTGGTTTTCNTTACTTTTTGGGG
GGGGGAAAAATGGGGAANTACCTNCCNAAAAATGTTANTGGGGNGTAAAAANAAAAACCN

Table 2

GACTTTTTTTCGNACCAAGGGAAACCCANTTTNGTTGTTTAAAAAAN

Sequence 3014

CCCTTTCGAGCGGCCGCCGGGCAGGTACCAGCTACCAAGCTGTTCTCAGTGACAGCTGG
AACCTCAGAGCATCTAGTTTGGAAGAGGTTAAGCTTTACATCTTCAGCCCACTTAAGGGG
TAAACAAATCAAGCCCCACACTCATGGGAAGGGGAGAGGATGGAAAGGAGGGGCAGGGA
TGACGGCACCAAGGGGAAGTGTCCAGAACACCATCTCTCTACCCCCAAACCAGCCGGTT
TCCCATCTGTTTTACCTTAATGGCTTTTGCGGTCTCCAGTGACTGCTCAGGAGGGATT
CCACCTCCCTCTCCCTTAGCAGCTGTTGAATGAAATACGTAATATCTCTACCTGCAATC

Sequence 3015

CCCTTNNCNGCGGCCNCCCCGACGGGCNCCANATTTNTTGCCTGNCNNGATTGNAATTCA
TGCANNGAGGAAGGATTCATGAAAAAATAATCAAAGTCAGGAAAGTNTTTTTCTGTAAT
CTTGCTCATACAGTGAGTTATTTTTGTCTGGATAGTTTACGGGGATGTAACCTCTCAG
TCATCTAACCGTGATGTAGTAAAGTCATTTGCAGGAAATGAACTCCACTTTGTACTT
TTTTCACTTAAAGGCTAATCTGATTAGCTTTAAACATTTAGTTCATCTTTAATTCAGT
ATTTGTATGATGCCTATGGAAGACATATGGATTTAAATAGAACTTGGCTTACCATCTGCC

A

Sequence 3016

TCCCGGGCCCTCTAGATGTTTGCTCGAGCGGTTTGCCAGTGTTTTNGATATCTGCAGAAT
TCGCCCTTAGCGTGGTCGCGGCCGAGGTACTAACATCAATAAGTCGAGAAAATTATATTA
ACTGAAAGAAAAACAAATAATAGAGAATTTTATTAACGTAATNCTAATGTTTCTCTTCA
TGTTTGAGAAAAAGCTGCCACATAATTAAACAATTCTTACCCTGTAAACTGATTGTCT
TCCAATCTCAGGAGGTTTACATTAACAGGAATATATGAATAAGAAACAGGCCTATGGCCG
GGCTCCGTGGCTCACGCCTGTAATCCCAACACTTTGGGATGCCGAGGCGGACGATCAGC
AGGTCAGGAAATCCAGACCATCCTGGCTAACACGGTAAACCTAGTCTCTACTAAAAATA
CAAAAAAAAAAAGAAAGAAAGAAAGAAAAAAGTACC

Sequence 3017

CCCTTCGAGCGGCCGCCGGGCAGGTACCACACACACACAGGCACACACAGGCACACGCA
GGCACACACGCGAGCNCACACACACATAAACACACAGAGTTCACTAGTCCGAGTTACTGA
TTTTCTTAGGATTCTCAAAGTGACAACACCGGAAACAAGGTAATTCATGTTAAACACAA
GGGTATATCAGTAAGAGATGGGATCCCCGAAGTAAACCGTGGAAATTTGAATCAAGCTTC
GAAGAGCTAAAAAAGAAATTGGAGTTTCAACATTCACCTTCTTGAATCCTTAAGAAATA
CAGANGTTCAAAATAGAAAACATTACAGGTTTCAGGATACAAAAGTAGAAACATCTGAGA
TTAAGCCTACATTTTTAAAAAAGATATTGAAAATT

Sequence 3018

CCCTTAGCGTGGTCGCGGCCGAGGTACTGTTGCAGTGAGCTCAAGTGTTGGGTGTATCGG
CTCAAAACACCATGTGATGCCAATCATCTCCACAGGAGCAATTTGTTTACCTTTTTTTTC
TGATGCTTTACTAACTTCATCTTTTAGATTTAAATCATTAGTAGATCCTAGAGGAGCCAG
TTTCAGAAAATATAGATTCTAGTTCAGCACCACCCGTAGTTGTGCATTGAAATAATTATC
ATTATGATTATGTATCAGAGCTTCTGGTTTTCTCATTCTTTATTCATTTATTCAACAACC
ACGTGACAAACACTGGAATTACAGGATGAAGATGAGATAATCCGCTCCTTGGCAGTGTTA
TACTATTATATAACCTGAAAAACAAACAGGT

Sequence 3019

CCCTTTCGAGCGGCCGCCGGGCAGGTACCTAAGGCTTTTCACGGATTGCATACTCAGGA
CAATTTTCAGGAAATTAATTTCCAGATCCTCTATATACACTATACTCTTTCCTTAAATTG
ATCTGCTGAGAATGAGCTTTGTTTCACTGTTTCTTTCCACAGAAAAAAGATATAGG
CTACCCATCCCAAATCTTAATACATTGCTCTTAATGTGACACCAAAACCTCANATGTAG
CAAACAGAGGAAAGGTTTGATGATTAATCATAAACCATAGAGCCTTGGGCTTTTGCCTC
TTATACACATGTTAAAGCTGATTATGATGTTAGATAACATAGAAATTGGGTGTTTGGACT
CACAAATAGATTTTCAGAATTCA

Table 2

Sequence 3020

TTATGATGCTTTACTAACTTCATANNNTAGATNTAAANATTAGTACATCCTAGAGGAGCC
AGGTTCANAAAAATAAGATTCTAGTTCAGCACCCCGTAGTTGNGCATTGAAATAATTA
TCATTATGATTATGTATCAGAAGCTNCTGGTTTTCTCATTCTTTATTCATTATTCAACA
ACCACCGTGACCAACACTGGAATTA

Sequence 3021

ACGCGGGTATGTTTTGTTCACTTACCCTTTTTTACTTTTAAATCAATGTCAGATACCAAG
AGTTGTGTAAAGCTGAGTGTAGTGTGTAACACTACACTTGGATCTTACTGATCCAGAA
ATAGTCCCATAGTTAGGAGTAGTTACTTATGAAGTGGTTATTAAGAGTGAACCACAGCC
ACATATACATTATCNTATTACTGCTTTTTGTTTATGATTAAATACTGGGTATGTTCTTGG
GTAAATCCCATCCTTTATTGTATTAGGAAAAAAAAAATTTACTTTTTTTTACCAGNGTTT
TTTTCCAAAAAGACCAGGAAATTANGAATNCACCAAAAGNCTTTCAAAGGGGAAATTTT
AAATTATTTTCTTTGGTAAAAATGGGGACCTTAAGAATNAAAATTTCCAAACCNCTGGAA
TTTNAAGGCNCCCAATTTNCCCAAGGAAAGNAAAAAAAAACCAAGGCTTGGGGGNAAATTT
AAAAGGTTTAAATCCCAACCTTTNGGAAAAATTTGGTTTTTANCAAAATTAATAATTC
CAGGAAAACCATTTCCCAAAACCCNTTNAAGGGGCTTCCAAGGGAATCCCCCAATTA
AGTACCCAAAGGAAGCCCCCANCCNTTTTTTTTGGAAATTAACCTTTTAANTAAAAA
GGTCTTTTNGGGGAGGACCTTANGGAAAGNCCAANGGAATTANGTTTTTTGGTNGGAACN
ACAATTAAGGCCTTTCTCCCCAAAA

Sequence 3022

CCCTTTGAGCGGGCGCCCGGGCAGGTACCAGCTACTGCAAAAACATGCCAAATTGTAA
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CTCCAATTAAGAGACACCAGACTGGCAAATTTGGATAAAGAGTCAAGGACCCATCAGTGT
GCTGTATTACAAGGACTTCATCTTCAACATTGCAGGAGGACCACGCATTAGGGCTCAAA
AAATTAAGGGGGATGGGAGGGAAAGACCTACCAAGCAAAATGGGAAAGCAAAAAAAAAAG
CAGGGGGGTTACAAATTCCTAGGTNCGCCTGGATAAAAAACCAGGACTTTTTAAACCCC
AACAAAAATTTTAAAAAGGAGGACCAAAAAAGGAAAGGGGCCCCATTTACCATTAAATN
GGGTAAAAAGGGGATTCCAAAATTTCCAAACCCAAAGGGAAGGAAGGCCTTAAACCTT
AATTCCTTAAAAAATAATTAATTATTGGCCACCCCCCAAATTTACCAAGGGGGGGCCAC
CCCCGGGGAATTTCCATTAAGGCAANGNTCCCTTTAAGGAGGACCCCTTACCAAAA
GGGAGGNACCTTTAAGAACCTTC

Sequence 3023

CCCTTTGAGCGGGCGCCCGGGCAGGTACGCGAGAGGCATTGAGGCAGCCAGCGCAGGGG
CTTCTGCTGAGGGGGCAGGCGGAGCTTGAGGAAACCGCAGATAAGTTTTTTCTCTTTGA
AAGATAGAGATTAATACAATACTTAAAAAATATAGTCAATAGGTTACTAAGATATTGCT
TAGCGTTAAGTTTTTAACCGTAATTTTAATTAGCCTTTAAGATTTTAAAGNAGAAAAATA
TGAAGACTTAGAAAGNAGTAGCCGTGAGNGAAAGGGAAAAAGATAAAAAGGTTTCTTAAAA
ACCATGACCGGAAGGTTTGAGGATGAAAAGCTTCTTCATGGGGAGTAAAAAAATGGTAT
TTTTAAAAAGGAAAAATTGGAGNAGGAAAGGGACCTNCCAGGGGCCCCCGGAATTTAATT
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ATTAATTTTGAAGGGCCGGATCCNTTTTTTAAAAAAAGGGAGGAATTTAAAAACCCC
GGAAAGGGTNGAATTTTAAAAAGGAACCTTTTGGANAAATTTCCCATTTGGACCGNCCA
ANGGGGGAGGNAAATTTNGCNGNTCCATTTTNAAGGCCCTTAGNTTTAAACCGCCAN
TTTTTCCTTAAACCGCCNNGACCNAAAAAATG

Sequence 3024

CCCTTTGAGCGGGCGCCCGGGCAGGTACATCGGTCCCTTGACCATTACACCCACGGTGG
CCCTAATTGGCCTCTCTGTTTCCAGGCAGCGGGGAGAGAGCCGGAAGCACTGGGGCA

Table 2

TTACCATGCTGTAAGTGGAACATCTCCCTCATCCCACTGCGGGGCAAGCCTTTAG
GAACATTCACAGGACTTTCAGGAGATAATGTTTTTCAATAAATAAGAAATGGGTCTGG
ACAAGTTTCAACNTTTATTTGCTTTCGTGCTGGGGGAAATAANTTTGGAAGGGGTTTTT
TTGACCCAAGAAGTTTGGGGGAAAGTGACCATTATAAGTTTGACCGTTATTTACAAA
AAGACAAGACTTTTANGNCAAGCCAANTATGGAAGAAGGGGTGGGAATTNGTNAAAGTT
TTTTTAAANGCTTTTGGGTAAAGTTGGGGGGGTAAAGGGTAAGTGGGCCGCCCATTTTTG
GTTTTTTTGACCTTTTTTNGANGGNTCCTTTGGCCCAAAANNTCTTTCATTGGTTTTCC
AATGGGAAGGTTTNGGACCNATTACCTTGAANNAAAGACCCCAAAAAATTTT

Sequence 3025

CCCTTAGCGTGGTCGCGGCCGAGGTAAGTCTGGTTAGGTTAGGACTTGCCCTCGTGGTGA
AAGTTTTCTTAAAAAGTTATAACCACTTTTCTATTAAGTGGGAATTAGGAGAGAAGG
TAGGGGTTGGGAATCAGAGAGAATGGCTTTGGTCTCTTGTGTTGGGACTAGCCTGGCTT
GGGACTAAATGCCCTGCTCTGAACACGGAAGCTTAGTATAAACTGATGGATATCCCTACC
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AGGCAGGAATANGTATTTTTTAAATTTTTTAAATGGTTAAAGACCAAAAAAACCT
TATTATTGGTAATTGGGGTTTTTTTGGTTGGGATTTATTGGTGGTTGGTTTTTTTGCCTT
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TTTGAAGAAACCAAAATTANGTTCNNGGNATTTATGNAAAAATAAAAGGCCATTCTT
CCATTTTTTTTGGAGGTTAGGAANGAAGNCANANGGGGGAAAAGGTNNGGTTTTCTTTTA
AAAATTGGGGTGAAATCCTTGGGGGNATTTAAGGGCCCCCTTCAAAANAAACCCCTT
TTTTGGGGGGTTTT

Sequence 3026

CCCTTAGCGTGGTCGNGGCCGAGGTACAGCGGGGACATCTCACTCATCCTTCTACTCGTG
ACGCTTCCCAGCTCTGGCTTTTTGAAAGCAAAGATGAGCAACTCAAGCTGAGAGGTCC
ATAATAGGCATGATCGACATGTTTCAAAATACACCAGACGTGNATGACAAGATTGACAA
GCCAAGCCTGCTGACGATGNATNGAAGGAGAACTCCCCAACTTCTTAGTGCCCTGTGAC
AAAAAGGGGCACAAANATTTACCTTCCGGCCGATTGNTCTTTGGANGAAAAAAGGGA
CAAAGGAATTGGAGGGGATTNAAGGAAAGGAATTTGGATTTTTTTTCTGGAAGTTTTTT
CTTGGTCCCTTTGGCCTTGGGGGAGGAACCNTTAAGNCNCACCNNGGACCTTAACCCACC
TAAGNNCAAGTAAGCCCCCATTGGGAAGGCAAGGCCGGGCCCTTGGTTTCCCGGGGGG
GGGGCCAAGCCCCAAGNTGGGAACNCCCAAGCCCCCCCCACCCCAATTGG

Sequence 3027

CCCTTAGCGTGGTCGCGGCCGAGGTACCAAAAGACTCTCAAAAACCAATACTCCCACGG
GCAAGGGAATAGCCAAGTTTGTGCGGGTTTCCAATGAATGACATCAGCCCTGTGTAGGT
CTCAATCAAAAATGGGTTCAGTTAACACCATCAGTTTCTTTCCTTCTTCCAAGATCCAGGT
TTGAAATTCTTGNATGGGCATTCTGGGATAGCNTGGAACAAGGCTTTAGGACATGAACCCA
GACAAANCTTGCAAAATTTTCAAGGGAATTTTCTTAAGTTGGNTGGTATTTTCNATAAG
GGAATGGCTTCAAGTTGAAAAAGTTAGGNCAATTAAAGGGGAAACCTTTTCAAGTTGGGA
ACCAATNNGGGGTTTTNCCCANGNCCGGGGGNAACCANGTAAAGNAAGGAACCTGGGCT
TTCCCTTTCCCGGGGAACCTTCNCCCTTTCAAGATTAGGNANTCCCTTTAAAGGGNCCC
CTTT

Sequence 3028

AGGTACCAATGAAGTGTGAAGACAAGGCCATCCACCACTTTATAGAGGGTGTAATAA
AACCAGAAATCAAGGGAGAAAGAAAGATGAAAGACAACTGCAAAAAATTGCCAAATG
CGACTTTCTAAAAATGGAGCAGATTCTGAGGCTTTGCATGTCTTGGCATTCTTCAGGAG
CTGAATGAAAAATGCAACAAGCAGATGAAGACTCTGAGAGGGGTTTGGAGTCTGGAAGC
CTCATCCCTTCAGCATCAAGCTGGAATGGGGAATGAAGAATAGAGATGTGGTGCCCACTA
GGCTACTGCTGAAAGGGAGCTGAAATTCCTCCACCAAGTTGGTATTCAAAATATGTAATG
ACTGGTATGGCA

Table 2

Sequence 3029

AGGTACCATCTAGGTCAGTTTAAAGAAGAGTCAGCTCAGAGAAAGCAAGCATAAGGGAAAA
TGTCACGTAACTAGATCAGGGAACAAATCCTCTCCTTGTTGAAATATCCCATGCAGTT
TGTTGATACAACCTAGTATCTTATTGCCTAAAAAAAATTTCTTATCATTGTTTCAAAA
AACAAATCATGGAAAATTTTGTGTCCAGGCAAATAAAGGTCATTTTAAATTTAGCTG
CAATTTAGTGTTCCTCACTAGGTGGCATTTAATGTCGCCTGATGTCATTAAGCACCAT
CCAAAAAGTCTGCTTCATAATCTATTTTCAAGACTTGGTGATTCTGAAAGTTTTGGTTTT
TGTGACTTTGTTTCTCAGGAAAAAAATATCTACTTAAATTTTAAGTCTATAATTCAA
TTTAAATATGTGTGTCTCATCCAGGATAGGGATANGTTGTCTTCTATTTTCCATTTTA
CCTATTTTACTTTTTTTGTAGGAAAAGAGAAAAAATGAATTTCTTAAAGATGTTCCCC
CATGGGGTTTTTGGATTGNGGTCTAANCCTTTGGATTGACCCTTCNTTTTAATCNNGCCT
TTAAACCCTTAAAAACAAATTT

Sequence 3030

CCCTTAGCGTGGNCGCGGCCGAGGTACCCTNAACATCTNTGCTGCTCCCACTGGAGAGTG
AGTCTGGAGTCCCTGGCACTGGGGCTTTGGTGAGGGCTCCATATACACCCATGGCCTGAG
CCACCATGCTGGTGACATCGCCAGGGTTGGAGGGCAGTAGGGATAAGTGTGGAGTCCTT
GGCCAGNTTTNGGTAGAACAGCGCTGACATACTNCTCGGCCACAGTCAAGTGAAGCTGCT
TGCCATCTCCCAATTATGGTTGTGTGAGGANGCTGCAAGCCAGGGATTNNNAATAAGCCTT
TCAAGCTTTTTAGGCCCTTTNGCCCTTTNCGCCAGAACTTGACCTGNNCCCTCTCCC
TGCNTGCCCTGGATTTATCTTGNTCAAGCCCTTTTTCTGCTTTCCGGGAGGGCCAAGGN
ATCCTGGGGGCCCTGNTTTTTCTTTCCCNCTTGNCCCACAATTTNGATGGGGGCCCCG
GAACTTNTNANGGGGTTNCCCCCTCAAGAACCCTTCTAANAAAACCTGGTTGGGCCCC
CCGTTTTCCCCGGCCNTTACCCTTGTCCCCCCGGGGCCCGGGCCCGNCTTCNNTAAAGG
GGGCCGN

Sequence 3031

CCCTTCGAGCGGNCGCCCGGGCAGGTACTTNNTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTGAATTTAATGACNCTAATAGCTTTATTTAACAAACNCTGAGTGACTACTATNTGCA
AAGCNCTATNCTAGGNGCCTGAAAGATNCNAAGATGAAAAAGACNCANTCCNTGCCCAN
AAGGGAGCGTATAACTAGTGNNGGGGAGACAAATNCCCAATATTTACTNGTAATTACAA
GGNANNTNANCAANAAGTGGGGCAANGTGCCTGANTTGTGGCCCTGAGTTGTTGNATCT
AACCTANCCCTNAAAGGGTTCNCAATTTTGAAAAACACCGATTGGAAAAATACGTTGGT
GGGTCTTGGCTTTTCGAAAAAATCCCCANTNCCNCAAGGTTTTGGGNCNATANAT
TGGGGAAAANGTTTAAAAATTGG

Sequence 3032

ACACNNNGAGGCNTTGANGCAGCCAGCGCNGGGGCTTCTGCTGAGGGGGCAGGCGGAGCT
TGAGGAAACCGCAGATAAGTTTTTCTCTTTGAANGATAGAGATTAATACAACCTACTTA
AAAAATATAGTCAATAGGTTACTAAGCATATTGCTTANCGTTAAGTTTTTAACGTANATT
TTAATANCTTAAGATTTTAAGNAGGAAAATTATGGNAGACTTANCAAGAGTAGCTATCGA
GGNAAGGGAAAAAGCATNANAANGGTTTTCTAAAACATTGTANCGGAANGTTGAGAATG
AANCTTTCTTCATGGGAGGGTAAAAATGTTATTTAANAAGGAAAAATTGCAGNAGTAA
AAAGNGACCTANCAGGAGCCCCCNGANATTTAANTACCCNTATTANGGAAAGGGGGCC
AAAAATNGNCTTTTTAGNAATTTAAAAAAATGGAAAGGGGTTGGAANCTTNTAAAAACN
ANGGCCTTTTAAAAANGGTTTTTAGATTTTTANAAAANNTTGGNTAGGGNNGNATTTTA
AAAAAATAA

Sequence 3033

TTNTGTCNNCTTAATCCTTCNNTGNGNGGGGGCGGCNTACNTGNNAGTTNCCANNTTGG
CNCNGACTAAAAGATAACCACCCCTNTCTCTGGCACTNATCAACACAAGAACCANTAAAA
TGGTAGATGAAATGAAGGAATAANGCNNGGGGTTATTNCCTATTNTAAAAAANAAAAA
ATNATTTCTTCNGCAGNTNTTNNCCACANACATTTNNTNATACAAGAATTACCNAGTGTN

Table 2

TTTTGACCTNNCAGCCCTGTTCCCCATTNTNCTNCCAAAAANCCNNGAGGGTNGGGANAC
AAGTTTGNAAGCCAAACCAAGCCAATTTNTTGGNAAAAAATTTACCCTTAGNAAAACC
CCCTTACCAAAAAATTTTGGAAATTTAAAAAATCTTAAAAACCCTTTCNTAATAAAAAANTT
TTTTTGGCCTTTTTTTT

Sequence 3034

ANAGAAAAGGATGAAGTCAAGGGCCTGGTANAGGCACCACTAAGAAAGGCATNTGAAAGG
ACCAAAGAGAGTGACCAGCAAGCATTTTTTGAAGGCTGAGGAGCTGACAGCTTCCATGA
AAGGCTGGACCACCCAGTGGTGAAAAGCATCATCTGGGTACCTTGTGCTGCCATAAAAC
ACACCACANACTTGGTGACTTAAACCACAGATATTTATCTTCTCACAATCCTGGAGGCTG
GAAGTCTGCAATCACGGTGCCAGCATGGTCAGGTTCTGGTGAGGGCCTCTTCTCTCA
CTGTGNGCTCNTTCTTGTGCATGGAGAGAGA

Sequence 3035

TGAAATTGCAACCCTCAAGATTAAAGATTTAATAGAGGAATCAATTTAAATATTTTCTTA
TATACTACAACAGCTATGCATTTTTGCTTAACCATACCATATAACCCAAGTGAACATAT
GAAAATTGCATAGGAAAAAATGTGGTCACCAGGCAAGATTATCTTTAAAAAATTTTCTTA
AAAAAAGCTTGGGTCTAAGGGGTAATGTCCATGCAAATATTCATGCCAAATAAGATAT
ATACAAGACATGCTGATTTCTGCCTTCCGCCATCCAACCGGGAACCACTGTCTCTGT
TAATCAAGCCAGTAGGGTGGGAAAAATACCACTGNTTTA

Sequence 3036

TATGTGCAGAATTCNCCCTTAGCGTGGTGC GCGCCGAGGTACATCTACAGAGTGGTGGGA
CTGGGCCAGGCCTTGAACCCAGTGGTCTGATTAGAGCCCATGCTCTTATTANTGTTTCC
CCAAATGGGTAGTGAAGTAAATTTCTGATAAAATGAAAAGTTCTCTTTGTATACTGATAT
CCATTACAAAACCTGCAGGACTACAGCACTTCACAAAATGCATCATTTCCACAAACAGTG
ATGTTCTTTTTTCANGGTAAACTATATTGCAATAACAGCAAATATGAAAAGATACTAATAT
AGTATCTCACATGCCCTCCTTTGTATATTGAAATCNATGAACTCCACCATCATCAGGAG
GACCTAAACATGANTTGTTTTTCCAGGGCTAGGAATAAATG

Sequence 3037

ACCAAGCACTTTACAAAAAGAATCCCCATATATTGTTTTTGGAGGCCACAAGAAATGGG
AAGGGCTAATGAGAGACTGCAGTTAATCTGCAGCTAGTCTTAGGGAAAAACAGAACTCCA
AAAAAATAGAANAGCTGAAAGGAGAAGAAAGCANACTGAATTTTTGTGCTTATCANAGGA
AGAACNAAAGAATATGGAGTTGTCTGGATCCTGAGACCATTAGTGG

Sequence 3038

CCCANCTTTTGTTCCTTTAAGTGAAGGGTTAATTGCGCGCTTGCCTAATNATGGTCATAG
CTTGTTTCC

Sequence 3039

CCGCGGTGGCGGCCCGCCCGGGCAGGTACAAGCTTTTTTTTTTTTTTTTTTTTTTTA
TTT
TTTTTTTTTTTTTTTTTTTTTTTTNNNNNAAAAAAAAAAAAAAAAAANTTTTTTTTTTTN
AAANNCNTTTAAAAAANNCNTTTTTNAAAAAANNNNNNCCNTTTTAAATTTTTCNC
CCNAAAAANNNNNNGNGGGGNTNANCCNNTTTTTNAAANGNTTANGGNTAAAAANGGT
TTTTTTTTTGANGNCCAAAAAANNNTCCNAAATNAAAAANNNAGGNAAAAGGGTNN
NTCNCNAAANNNNGGGGGGGGGNNTTTTTAAAAANGGGGGGGGGGGNAAAAANCC
CCNNCNCNTTAAAAAANANGGGCCCCCCCCCGGGGGGGGNNAATTTATAATAAANTTTT
TNAANCCCCCNCCCCNNGGGGGGGNCCCCNCCCNCCNATTTTTTNCCTTTTAAAGGG
GAAAAAACCCCCCTCGGGAAAAAANNAAAAAANATTTTTCNTGGNGAAAAAANTT
TNCCCCCNAAAAAANNCNAAAAAANNAANNGNGNAAAAAANANAAAAANCCCN
GGGGGGCCCAAAGGGGNCCNCCNCCNCAANAAATTNGGGNGGACNNNNCCCCCNNTTTT
ANAAAAAAAAAAATTTTTNNCCCCTTTTNTTTAAANANAAACCCCCCCCCCNNGGNA
AGANGNTTTTTTTTTT

Table 2

Sequence 3040

GCGGCCGCCCGGCGGAGGTACACCTTGTTACCAAATAGGTTGTTCTCTTCCCCACCCACCT
TTNAGCTTTTGCTCTAAAATACATTGAGGTTCCAGGCCTGACCATCCTTGTTTAATCTAT
CATACTCTTCCAGGTTTTTTTTTGGTCTAAGGCTGGAACCTTTTTCTTTTTTTCAGCT
GAAGTCTTATGACTTTTCATGAGTCAAAATTGTTTGGATTTCANCAAGNCAAATCTTGCA
AAGGCCTGCATTTTTTTTAAAGATTATATGAAGTCTGTGCAAAAGCTTTAAAAAATGC
CTCTGCCTTGCCTGCAATACATGCAATGTATGTTAACTTAGTCTCTCTTCTCAGACACTG
TTGGNAGNTATTTCTGGGTTTTCTTTTTTTAAAAA

Sequence 3041

AGGTACGCTCTCCCCTTATTCCAGCAGGGCTACTTTCTCTTCACTCTGATGAGGGGAGC
TTTATCTGCTTTCAAATGGAGCACGTGCGACTGGAGTTTCGTGCCCTCTCGTTAACCTC
TCAGGAGCCACAGGGCTCCATAAACGGAATCAGTGTCTCAATATACATGACCTATGTTT
ATAGCAATGTTTCAAGCATTTGGGTTTGAAGAAAACACATTAAAGCCAAGACCCGTTTG
AGCGAACTGCCTTGTTCTTTGCTGTGTGGAAGTTCTGTCCCTACTGCTGAACTCCAGTT
CCTCCCAAGCACCCCTGGCCTCANAAATCCTGGCTTCCCAAGTTAGGTGCTGTCTGACCT
GAGCCAGGCCACTGCTTGGTGCTCTACAGGCCACTGTGCATGTTGAGAATTGCCAAAA
GGATTAGTGAAGCTCCTGACCCTGGCGAGGCCATAATGAACACTGAAGTGACAGGCCAA
GGGATGTAATTGAAAGGCATTTATTTTGTGAAGATGCTATAAAATTAGCATTATAATAT
CCCATTCCCTTCTCTTGGCCTCCTCTATCCCCCTATGGTATTTCTNCT

Sequence 3042

TCGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACCACATCTTA
AATACTCTCCAGTGTCTGAGTCTATTATGGGGAGGAGCAGTCTTTTGAGACGCTGGAAG
GGAAAATACAATTGAGATAGGGATGTGACGGTGACAGTATAACAGTAAATGGAATCAAAA
TGGTGAACAAAAAGGATATTTGGTGACAAATAATGGGTGTGGATCCATTTGATTGGATCA
GGGTCCTAATTCCTGATTCTGCCCAACAAGTTAATTGGAGCTGGCTGGAAAAACAGCAAAA
CCACCTTCACGGATCTTGGTGCCCAATTAGGCTTGGCATCTGCTCTGAGGCCAGATGGA
GAATACACTTTGCTGGCACCTGTGAATAATGCATTTTCTGATGATACTCTCAGCATGGAT
CAGCGCCTTCTTAAATTAATTCTGCAGAATCACATATTGAAAGGTAAAGTTGGCCTTAAT
GAGCTTTACAACNGGCAAATACTGGAAACCATCGGAGGCAAACAGCTCAAAGTCTTCGTA
TATCGTACCTCGGC

Sequence 3043

CCGCGGTGGCGGCCGAGGTACCACATCTTAAATACTCTCCAGTGTCTGAGTCTATTATG
GGGAGGGAGCCAGTCTTTTGAGACCTGGAAGGGAAATCAAATTGGAGAATAGGGATGTGA
CCGGGTGACAGTATAACAGTAAATGGAATCAAAATGGTGAACCAAAAGGATTTTGGTGA
CCAAATAATGGGTGGTGATCCATTTGATTGGATCAAGGGCCTAATTCCTGGATCTGNCCA
ACCAAGGTATTTGGACCTGCTTGAAAACCAACCAACCTTTACCGGGATCTTGGTGGCC
CAATTAAGGCTTGGCATNTGCTCTGAGGCCNAAATGGGAGAAATCCCTTTGCTGGCCCT
GGTGAATAATGCCATTTCTGATGATCCTCTTAACATGGGATCAACGCCCTCNTAAANTAA
ATTCTTGCAGAAATCCATATTTGAAAGGTNAAAAGTTGGGCCNTAAATGAGCCTTACCA
ACNGGCAAAATACTGGGNAAACCATCGGAGGCAAACAGCTCAAAGTCTTCGTATATCG
TACCCTTCGGCCGCTCTTAGAATAAGTGGGATCCCCCGGGCTTGCANGGA

Sequence 3044

CCGCGGTGGCGGCCGAGGTACAGGTAGATCTTGTAGTCAAGTGCCTGGTTGTAAACCTG
TGATGGGTGTAACCTTCTGACATCTGGCTTTGATGGGTCTTCTGGAATTGGAATCTGGCCA
ATTGGCTGGAACGGCATCAACTTGAACCAAGTATCGTCTTAATCTTNGTCTTCAACTA
ATGGTGAATGGGTGGNCTNAAGAACATCTGGCANAAACGAACCTTCTTNGTGGGCTGACA
TTCTTCAAANGTGGTGACAACTTCTGAGCTTGTCTGCTTGTCAAAAGTGGCCTTAAAAA
CATAACACTCACTTTATATTTGGTGGCCACCATAAGTCTGATCCACCACGGATGANCTG
CANGAACCAAGGTTGATTTCTTTATTTGGTCCCGTCTTNTTCTTGGGGTCAACCCGCAC

Table 2

CTCGATATCCAATGAGCTTNACATTGGGTGGTGGTCCACTGGGCCCTCAAGCTTGGGGG
TGTGACCCTGAAGTGAACCTCAAGGTCAANTTGGTGCAAGAAATAGCTTGTGGACTGGGG
TTNCNAATCAAGGGCTGCTCTTCATATCATCGTGCCAAGGCAACCACACTTGACTGTNTA
CCCTNGGCCCGNTCTAAACTAAGTGGATCCCCCG

Sequence 3045

GACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACCAATTTGGATG
AATCTTGATAGATTTAAATAGTGTATGTAATTTTGAATGCTTAGACTCTTGAAGAGCT
ACTTCTGTTTTAATGTTAAGATTCTTGCTCTAGTTTTTTTTTAACATGGATGAATTCC
ATGTAAACAGGTATGGAAGTAGGAAATGTTTAGGCTGGACTTGGTGGATTATTAATTGAC
TTTCTTGGGTTCTTGGGAGTCAACATTACTAAAGCAGTGTGAATCCCTGTTTGCCTCAGG
GCGAGATGTGTGACAGAGGTGGCATCAAGCTCTTACAGTCCCAACCCTCCAACGGAAATG
GGCGAAGATCTCAGGAATGGCATCGGTACAGGAAATCGATAGTGGCTGGCTGCTAGCAT
GGCCACTTGGGGCTTAGGCAGAAATAGAGCCATGGTACCTGCCCCG

Sequence 3046

CCGCGGTGGCGGCCCGAGGTACTTTAGGCCGAAGCTGTTCTTCATGGAAGACTCAGCATA
GCGGAAGTAGGAGGAACCTGGAGGTCTGTCCAGGTGTGCGATGAAGTCACGCACGTNTTC
CGGCAGGATGACTCGGTGCTCGCCCATGTCCCGGTAGTTCGCCAGCACGCACACTGGCAC
GTGGGTGGGCACTTTTGGAAGCTCCCGGAGAATGTAATTGAAGGTCCACTGCTTGGTAAT
GTCGAACATCATGACCACCCGTTGCAGTCTTGTACCTGCCCCG

Sequence 3047

CCGCGGTGGCGGCCCGGCCGAGGTACAAAAATATTTAACAGAACTATGAAAAGATG
CAGGGAANGGAGTCTTTCTTCGTAAACAAAGTAAGTCCGTGGTTTGNATGGGTTCTTTT
GGATCCTCTTCAAGGTTTGTATCTGCCCATGAATAACCCACACCTGGAAGAATATG
GCCGGGATGAAAAACCAAAAAGGCTGGCTACTATAACCAAGGAGGCGAATGAATCTTGC
CATGGAGAAATGCAAGTGGTGTCTGCTGAACTTTGGTTCATTCTTCACTGACTTCAATT
TTTGCTTTTGAAGAATATGAAGAAACATGGAGGGTTTCTGCCTTGGTATTTTGTCAA
ATTTGCCTTTGATGAATCAAACATGTCAAGTAATGCCCAAGAACTTTCAACGGCTNCTTC
AAAATCTGGTTGGTGTCTCAACTGNGAACTTTGGGCAAGGATCACCTGCACCCTTTTGGG
CACCATGATGCTCATCCAGCTGNCATGGTCTTGGGTGCTGATGTGGTGGGGATGATGGC
AAACAGCCGGAATGGAACCTCANTCGGCAGTGAATCAACATGCCTGATGCCTTTNCCC
CGGGGTAAGGGCAAGTTCAATGAAANTGNACCCTCNGGNCCGCTCTTANAACCTAANNGG
ATCCCCNNGGCTGNAGGGAATTCNATATCAAAGCTTATCGATACCCGTCGACCCTCANGG
GG

Sequence 3048

GTGGCNGCCCCGAGGTACAGTCCTGATTGCATCATAATTGGTGGGTTTCCAACCCAGTGGG
ACATTCTTACCGTATGTTACCTGGAACTAAGTGGGATTACCCCAACCCCCGCGTGGATT
GGAAAGTGGATGTAATCTGGATTCTGCTAGATTCCCTCCCTAATGCTGAAAAACCTGGCC
TTCATTCCAACCACTGNCNTTGGGATGATTTTGGGGGAACATGCCGACTCAAAGTGTGG
CTTGTTGANTGGTGTGAATTGTGGCAAGGTGGTTCTCTCCAGGAATTTGAATCCAGA
ATGGGAACCGCCATGATAGTGAANTGGAAAGGAAGGCCCTTAAGAATGGGTGGGTTGN
AAAGTGCCTATGAAAGTCATCAAAGCCTAAAAGGGATATACCCACCTGGGGCTATTGGG
ATTAAAGTGTGGCTTGATCCTTATTGGAATNCCATGTTTGAAAAATCTATTCCAGGATT
CATTCCCGTGTCAACCAATGGGTAA

Sequence 3049

TAGCCTATCGACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAGC
TT
TTTTTTTTTTTTTTTTTTTTTTTTTNNAAANANCNNCCTTTNNTTNNAANGNNAANCCAT
GGCCCTNAAAGCTNNTAANAANNTTGGNTNANCAAAGGNAAGTGGGGTCCGNAAAAAAGG
NTTTTGGGNGNAAAAANNTTGNNTTTTNTTGGGNGNGNTCCTGGGAAAA

Table 2

Sequence 3050

TACGACTCACTATAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTGACGA
TCTGAGGAATAATGAATTTGAAGACATTAACATTTCTCTGCACCAGATTGAGCCGACTCT
CCCCTTCTTGCTGACGGACTCCTGCAG

Sequence 3051

TTGGAGCTCCCCGCGGTGGCGGCCGNTGTACANCTACTGGATCNCCGANNTNNNGNAAN
CCAANNTCNNGCTTATNGANTNCCNCTGACCNCANN

Sequence 3052

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCGGCCGAGGTACCTCCCTGCCTT
TAAACAGAATACTTTTTCTTTTTTTGGCCTTCTCAGATTAGTCAAAAATTCATAGA
ATGACTCACTTCGAATACTAAGACACAGGAGGTTTAGCCTGCTTCTTACCAAATTCATG
TTACCCAGACTTGTGTTCTCTTGCGTCCCTTGGACTGCCTGTTGATTGATGGAAAGTGTC
TGCACTGACACTTTTCGTGNGNAGTCTGTAGTTTCTGCGCCTCTTTTGATTATAACTGGG
GTCACCAAGAAGGTTTACTTAATTAATACCGCATTTCTAAGAGAAGATCTTTGTGTAAG
AAAAGATGCCACATTTAGTGGTTTAACTTTTGTAACTTCACTTGATAGTTTAAAGCAAT
TAGAATGGGAGTTAGGGAAAGACATATCATACTGAACAAATGTCATTCTAGTTTAGATA
GCATTTCTAAGATACTGATACTAATACTTGTCTTCCCTATAACATAAAAACTTCA
CTGGTAAAGTCATGTCCCTTGA

Sequence 3053

GTATACGACTACTATAGGGCGAATNGGNGCTANACNGCGAANGGGNNCTNCGCCGNGGTG
GCGGCCGAGGTACAAGATTCAGATCCTAACTCAAATTCCTCTCCCAATAAACCCCTGC
CAGCAAACGCACTCCAGCACTGCCTGGCCCTCTCTGCTGTCTGTGCTTGTGTTGTGCCAA
GTGCCCTCAGCTGCAAAAGAGATGGCAGGAGAGGCTCGCAGACAACAGACACTGGCCCTCC
CCCTCGCCCCATCTCTAAGCGTCCCTCCAGCCGGCCTCAGCAGACAAGTCACCACCATC
AGGTGGGTGATCCCAGAAGCAGCTACAGGTTTCTACATTTCCAGACATATCCACGGCCCT
GCCTTTCTACAAGAAATTGGAGGAATTTAAATAAAGTTTGTTCCTTTTAACTCATTC
TTAAATATACCACTTTCTTACATACACAGCTGAAACCTTTGCCCTTCTTTGTTGGGGA
AAAAACAGCAATGCCTACCTGTTTCAAGCTGATTCAAACATTTCTCCAGGAAAAAAAAAA
AAA

Sequence 3054

AGGTACCATATTTCTCCAGCTGGCTTGTAAGCTATGTGAGGCAGAGAACGATCTTACATT
TTTTTTGGCCTAAAAGCGGTAGAAATTTAATAAATAGATGAATTGATTGATTCATTAA
TAGTATAAAAAGAAAATTTGGGGTGGTTTTCCATCTTTAGAACAAAGAGATGAGGCTG
GGCGCGGTGGCTCATCCCTGTAATCCAGCACTTTGGGAGGCCGAGGCAGGTGGATTACT
TGAGGTCAGGAGTTTGAGACCAGCCTGGCCAACATGGTGAAACCTGTCTCTACTAAAAA
TACCT

Sequence 3055

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATCATTTTCATGTCATCC
TGTTNGGCCTGATGAAAGAACCCTTACAGTTCAGGGTTCCTGGGACTTTCTACCAGTGCC
CCTTCTTGANCAGGCCCTACCANAGGGTGCCACCTACAACATCATAGTGGAGGCCTGAAA
GACCCACAGAAGGCATTAAGGGTCGGGAAAGAGGGTGTTACCGTGGGCAACTCTGTCAAC
CGAAAGGCTTTGAACCAACCTACGGATGACTTCGTGCTTTGACCCCTACACAAGTTTCC
CATTATGCCGTTGGAGATGAAGTGGGAACGAATGTCTGAATCAGGCTTTAACTGTTGTG
CCAGTGCTTAAGCTTTGGAAAGTGGTCATTTCAAGATGTGATTCTATAAATNGGTGCC
ATGACAATGGTGTGAACCTACCAAGATTGGAAGAAGAAAGTGGGACCGTCAGGGAAGAAAA
ATGGGCCAGATGATGAACTTGACATGTCTTTGGGGAACCGGA

Sequence 3056

CGACTCACTATAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCGGCCGAGGGTAC
AAGAACATCCCCANTNGTGGTGGGCCAACATCATTCTTTCCAAAGTGGATAAACTATTG

Table 2

GCATCTAAAAAAGGGTCATTCAATGGGAATCTTGATGGGCCAAAAGTTCATCAACAGTAA
AGAATCCTTTATCTTTCAACATTCAAGGAAAATGGTTGGTGTTAATCACCAAGGTGGTTG
GTAANGGAAAAATGGAGACGCCTGTCCAAATTTGAAATAAAGTAAGAATGCTTGCCTTTG
GGTAAAAAATTCGCGCAAATCCCAGGGAAAAAGCCCAGGTCCGAAGTGCAGTGCCTATTTT
TGGGACCATTCTGATCAATCCCCACCAAATGCTTCCATTATATGTCACAAGTGCCCATGG
TCTGAAAATGGGTACAGGTTTTATAAGTTTTA

Sequence 3057

GCGCGTATACGACTCACTATAGGGGCGAATTGGGAGCCTCCACCGCGGGTGGGCGGCCCCG
AGGTACTTGTACCAGTAAAAAGAGGTATAAAAGTCCCTGTTNCCCAAGTCCAAACCACT
TTTTTAACCTTAAATCTTTGAGTTTTCTGAATTACTCAAATTTGAAAGTAATTCTCTT
TATATCTGAAAAATGGTTTTATTGAACCGTTGAAGATTAATAAATATGCANTTGCAAAG
AAAGCATATGACAAACATTCTGAGAGTCTCGGCCCGCTCTAGAACTA

Sequence 3058

CGAGGTACTGAGGAATGAATAGAAAGGCTTCCAGATGTCTAAAAGATTCTTTAACTACT
GAAGTGTACCTAGGTTAACAACCCTGTTGAGTATTTGCTGTTTGTCAGTTCAGGAATT
TTTGTTTTGTTTTGTCTATATGTGCGGCTTTTCAGAAGAAATTTAATCAGTGTGACAGAA
AAAAAATGTTTTATGGTAGCTTTTACTTTTTATGAAAAAAAAAAATTTATTTGCCTTTTA
AATCTTTTCCCCCATCCCCCTCCAAAGTCTTGATAGCAAAGCGTTATTTTGGGGGTAGA
AACGGTGAAATCTCTAGCCTCTTTGTGTTTTGTTGTTGCTGNTGTGCAAGTGTGCCTGT
CACTACTGGTCTGTACCT

Sequence 3059

ANGGCGAATNGGAGCTCCCCGCGGTGGCGGCCGAGGTAAAGACATTGAAAGGTTTTAGTTT
CTTCCCTATCTGCATGTCTCTCATATAGAAAGCCAGAATTAGGGGCTAGAACTCCAGG
AGAGGGTCTCCCCGACTCATCTCTTGCTGACGGTCACCAGGATGCAGAAATAGGGAGATG
GTTAGTGGGGGCCAAAGATGCCCCCTCCAGGCCCTTCGTGGTTCCTCCTCCGCCCCCTG
CAATCTTTGGAGGAGTCAGTGCCTCACTCCAGCAGTGAAGTGCCTACTGTATGCAGGTAAG
TCAGCCAGGCAAAGAGAGACTAACGGTCTCATGGGGGAACCTCTTGCGGGAGGCCAGGT
AGCTGGAGCGAAGCGTTCCGGCCCGCCTTGCTGCTGGGTGGAGTGGAGAGGGAGACTTCT
TTTTGTTGGTTTTAATTTAAAAACACAAAGGCCTAAAGAAATACGTATCTTATAATTTT
TTAATTTTTGAGACGTTCAATTAATGAATTGTGCACGAATGAATTTCTATATATATAAAA
TATACATATATAGCTCTATATTTGGGGAGGGGCACTGGCTCTTTTTTCTCTCATTTTT

Sequence 3060

CCGCGGTGGCGGCCGAGGTGCCATTGAAGGGGAAGGAACTGCGGGTGTGTGTGTGTATGT
GTGTGTGTATGTGTGTGCGCGCGTGCCTGCGCGTGTGTGCGCGCGCTAGTGTGTGGACAA
GGAGGTGGGGGCGAGCTGAGTTAGAGTCCCAACTCTTGGACTCCATTTGCTATTCTCTCT
TTCTNCCCCACACCTATNTNGTTGGTGGTAGTGGGCCGTTTATATTTGCGTTCCTTTT
CATTCATTTCTAAATCTCTTAAAAATTTGGGTGGGGGTATTGGGNGAAGGCAGGAAAG
GGAAAAGGANAGTATTAGCTGAAGAGCAANAGGANGACATGGAGATGAAGA

Sequence 3061

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATGATGCCAACCGAGGGGGAT
GATTCGTCTAAAAGCGTCCCTTTAGCATTACAAAGAGTGTTCTATGAATTACAGCATAGT
GATAAACCTGTAGGAACAAAAAGTTAACAAAGTCATTTGGGTGGGAACTTTAGATAGC
TTCATGCAACATGATGTTGAGGAGCTTTGTCGAGTGTTGCTCGATAATGTGGAAAATAAG
ATGAAAGGCACCTGTGTAGAGGGCACCATACCCAAATTATTCGCGGCCAAAATGGTGTCC
TATATCCAGTGTAAGAAGTAGACTATCGGTCTGATAGAAGAGAAGATTATTATGATATA
GGACACCATACCCAAATTATTCGCGGCCAAAATGGGTGTCCTATATCCAGTGTAAGAAG
TAGACTATCGGTCTGATAGAAGAGAAGATTATTATGATATCCAGCTAAGTATCAAAGGAA
AGAAAAATATATTTGA

Sequence 3062

Table 2

AGGTGCGAGGAGGTGAGGCTGGAGCGCGGCCCTCGCCTTCCCTGTTCCAGCTTAGTG
TGTGCCTTGCCCTAGTTTCACTTGATACTCTTCAGGAATTATGTAGAAAAGAAAAGCTCAC
ATGTAAATCGATTGGAATCACCAAAAGGAATCTAAACAATTATGAGGTGGAATACTTGTG
TGACTACAAGGTAGTAAAGGATATGGAATATTATCTTGTAATGGAAGGATGGCCAGA
TTCTACAAATACTTGGAACCTTTGCAAAATCTGAAGTGCCTGTTACTGCTTCAGCAATT
CTCTAATGACAAGCATAATTATTTATCTCAGGTAAAGAAAGGCAAAGCAATAACTCCAAA
AGACAATAACAAACTTTGAAACCTGCCATTGCTGAGTACCTGCCCCG

Sequence 3063

AGGTACTCCAAGACAGCCATCCATTTGTAGCTATTCTCGAGCCTGTTTGAGGATTAGAAA
GAGGATCTTTAATAATCCTGAACATTCCTTGATGGGCCTAGAACAGTTTTCTCATGTTTG
GATTTTGTTGTTTTTACAAAAATGGTCATTTGAGCTGTAAGGCAAAAGTGCAGCCTCC
TAGGCTGAATGGTGCAAGACTGGAGTTTTTCCACAAGGAGCCCTCATCGTCCCAATGC
AATAGGACTGACCCTGGCCAAGCTGGAAGGTTAGAACCTTGGGAAATGGACAGATAT
CATGGCTGCAGTGCTGATGTCAACTGTGCTGTGTGGCAGGAGTCTGGGATGAATCACACT
ACAAGGACAAACA

Sequence 3064

AATACGACTACTATAGGGGCGAATTGGAGCTCACCGCGGTGGCGGCCCGAGGTACAAGTC
CTGGGCACCTCCTCTTTGCCCTCCCTCGCCCTTTCTGCTGGTGGGGGCAGATCCTGC
ACACACAGACACAGCGTCTGCCCCGAGCCATTCCCTGGAGACCCTGGGTCTACCCAAGT
GGTGCATCTGGGCCATTTTGCCTTACTTCTCTGGAACATACCCACCCTNAATTACGTG
CCAAACCCGACCGCATTCTCTGCCCTGTCTGGAAGTGGCCCTGGCTGCCTGGAAGAC
CCTGGGTAGGTCTGAGGGTGGGATGGAAGAAAGGCACTGCTGTGGTGTGGGAGCAGTC
CTGGGGCTTTCTGGTGGCTGTGACCAGTTGAGGGGCTGTCTGGGTGGGT

Sequence 3065

CCGCGGTGGCGGCCGAGGTACTTACTGCCTCTTAACCAGTTTTTCAGGATGCCACATTCT
AAAACAACCTCTTCGAAAATATTGCTCTGTATACGAAGCTTGGACTCCTTCAGAACTACTT
TTGTTGAGCTGTTGGACAAATATCTTATTTCCAATGCTACACAACCAGAAAGTAAGNGT
TCTACTTTGAAAATGAAAGGAGATTATTTAGGTATCTTTCTGAAGTGGCATCTGGAGAC
AACAAACAAACCACTGTGTGCAACTCCAGCAGGCTTACCAGGAAGCATTGAAATTAGT
AAGAAAGAAATGCAGCCTACACACCCAATTCTGCTTGGTCTGGCACTAAATTTCTCAGTC
TTTTACTATGAGATTCTAAACTCTCCTGAAAAGGCCTGTAGCCTGGCAAAACGGCATT
G

Sequence 3066

AGGTACTCAAAATTTCTCCTNAAATAGCACCNATANGATCNNAGATTGAGATAANNCTACA
AGNNCTACATNCGACAGATNTCNTNTTAGNCTATGCCTTATGNAACTTGCCTNCAAAAA
NTCTGAAAGGAGTTACTATGCTAATGCGCTGGGCATGAATCCAATTCAAACCAATCTGG
TGGGCCCCCTCATGGCTCANAAATACTCTGNGTAGGGCTGGCTGTTACTGCANTCACGGAC
NCTG

Sequence 3067

TACTATAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACCGGTCA
CTTACGCGTCAGAGCAGTGACTTTGATACGCAGTCAGGTTTTTCCATTAATAGTCAGGTC
TTTGCTGCAGATGGTGCCTCCACTGAGACTTCCGCATCTGGGACCTCCCAAGGAGAGGCT
TCAACTCCAGAGGAGTCTCGAGATGGGAAGAAAGATAAAGAAGGGGACCGGGCCTCTGAG
GAAGGCAAAACAGAAAGGCAAGGGCAGCAAACCTTTAATGCCTACCTCCACTATCCTTCGT
CTTCTGGCAGAGTTGGTGAGGTCTATGTTGGTATTGCTACCCTGAT

Sequence 3068

CGCTCACAATTCCACACAAACATACGAGCCGGGAAGCATAAAAGTGTAAGCCTGGGGG
TGCCTAATGGAGTGAGCCTAACTCACCATTANATTGCCGTTGCCGCTCACTTGCCCGCTT
TCCAGTNCGGGGGAAAAACCTGTCCGTGGCCAAGCTTGCNATTTAAATGGAAATCGGGCC

Table 2

AAACCGCCGCCGGGGGGAGGAGGGCGGGTTTTTGCCTAATTGGGGGGCCGCTCTTTCCCG
CTTTCCCTCCGCTTCACTTGAACCTCCGCTTGCCGCTCNGNGGTCGTTTCGGGCTGCN
GGCNGNAGCCGGGGTAATCAAGCTTCNACTTCAAAGGCCNGTGAANTACCGGGNNTATT
CCCACCAGGAATTCAAGGGGAATAACCCGCCAANGAAAAAGAAAACAATTGTTGNAGNC
CNAAGGGGCCAGGCCNAAAANGGCCANGGNAACCCGTAAAAAAGGGCCCGCTTNG
GCTTGGGCCTTTTTNCCATTAAGGGCTTCCCGCCCCCCCCCTTGNAACGAAGGCATTCAA
CAAAAAATTCNGTACCGCTCCAAGTTNANGAAGGTTGGCCGAAAACCCGACCAGGGGNC
TTTAAANGNATNCCCAGGGCCGTTTTNCCCCCTGG

Sequence 3069

GGAGCTCCCCGCGGTGGCGGCCGAGGTCAGCACTGGCCCATCTGCAGATGGGGACATCG
AGTCACGGGCTGGCTACGAACCTCGGGGGCGAAGGTGGCGGAGAGGGATGGGTTCAG
GACGTCTGGCGCCCGGGGAAGGCTCGGCGGACGATTGCGGTGCGCAGCCAGTGCCGT
TCGTCCCTCAGGTGCTTGGCGTGATGATCGGGGCCGAGTGGCGGTGGTGGTCA

Sequence 3070

CCGGGCAGGTACTCTCTTTATGGAACGATCTGTGGCTGTTAGAGGCAGCTGGATCCT
CTTTCAGGCGGGAATGGGAGGGCGGGCACAGGGAGGAGGAGGAAGAGAAAAGGAAGAA
TTCATTTTTAATTTAGGTTTCTTTTTTCTTCTTCATTTGAGGCTCTAAGGTGTATGCA
GTTGTGACCCCATGTGTGGGGAAGTGTAGCAAGGACGGCTGGTGGAGGGGGAAGGAGGGT
GCGAGGTGTCTGTCTGATGCTTTAGGAAATGTCTACTGAGGACCCTGGGACTTAAGAAGA
AGGGCGGGGAGAGTGCCATTGCCTGTTTGGGAGACAAAATGAACGAAAACAGGTGACTT
TGAAAGCAA

Sequence 3071

CTTCCTCCAGGCTCTGCTGGGGCTAAGTCTGCCTTCTAGAAAGGCTTTTATAAATTGTT
TAAGCCAAACATTTAACACATACAAGAGACCTTACAAAAAGAAGGAGGTAAGTCCTAAT
GCTGGAGAATTGGTTAATCAGGTGATATTGTAAATTCTGCTTCTCCAACACTCCTTCC
TCCGCGAGGTCTTTGTTAATCACCAGCTTGCCGTGTCTCAGGTAGTTCAGCACAGGCCCA
AAGTAGGTGGGGTCTCTGTGATTAAATAGGCGCCTGTTTCATCCTTGTCTGAGTCCAGG
TCGGGATCGGCCTGGCATAAGCGGTACCT

Sequence 3072

CTGAGCGATACTAAATGTCTGATGATGCTGGTGACACCTTAGCCACTGGAGACAAAGCA
GAAGTACTGAGATGCCTAATAGTGATTCTTACCTGAGGATGCAGAAGTGCATTGTGATT
CAGCTGCAGTTTCACATGAGCCAACACCAGCTGACCCCAGAGGGGAGGGGCATGAAATG
CAGCTGTGCAGGGTGCAGGGGCTGCCGCCATTGGGCCCCCTGTGCAGCCTCAGGATGCCA
ACGCCCTGGAGCCCCCTCTCAATGGAGACGTGACTGAGGATACACTTGCTGAATGTATTG
ATTCCGTACGCTTGAGGCAGAACCAGATCCGAAATACCCCTGCAAGAACAGAAATTATC
TGGCTGTGGATTCCCCCTCCAAGTGGAGGAGGATGGGCAGGCTGGGGATCCTGGGGCAAAT
NTCTGCTGTGTCAGCATCTGCCACAGTAGGTCATGGATTGACGGCAGTCAAGGAAAAAG
CAGGAGCCACTCTACGGGATTCTGGTGTNAAATTCTGGATCTTCTGGAAGGAGCCCAAC
CAAATACCTGAAAACGGAG

Sequence 3073

AGGTACAACCTTCACTGAACCTGCCCTACCACGGNGAAAGCATTAAACATGCTNATTGCNCTG
CCNACTGANAGCTCCACTCCGCTGNCTGCCATCATCCACACATCAGCACCAAGACCATA
CGACAGCTGGATGAGCATCATGGTGCCCAAGANGGTGCANGNGATCCTGCCCAAGNTCAC
AGCTGNNNCACAAACAGATTTGAANGANCCGCTGAAAGTTCTTGGCATTACTGACATGTT
TGATTTCATCAAAGGCAAATTTTGAAAAATAACAAGGTCAGAAAACCTCCATGTTTCTCA
TATCTTGCAAAAAGCAAAAATTGAAGTCAGNGAAGATGGAACCAAAAGCTTCAGTGAGCA
ACAACTGCAATTC

Sequence 3074

CGAACCCCCCGTTCAAGCCCNGACCGCNTGCGCCTTATCCNGGTAACATATCGTCTTGGAG

Table 2

TCCAACCCCGGTAAGGACAC

Sequence 3075

ACGNGGTGGCGGCCGCCGNCAGGTACATCTAAAGGCATGAAGCACTCAATTGGGCAAT
TAACATTAGTGNTTGTCTCTGATGGTATNTCTGAGAATACTGGTTGTAGGACTGGCCAN
TAGTGCCTTCGGGACTGGGNTCACCCCCAGGTCTGCGGCAGTTGTCACAGCGGCCAGCCC
CNCTGGCCTCCAAAGCAT

Sequence 3076

TTCTTTAACTACTGAAGTGTACCTANGTTAACAACCCTGTTGAGTATTTGCTGTTTGT
CCAGTTCAGGAATTTTTGTTTTGGTTTGTNTATATGTGCGGCTTTTCANAAGAAATTTAA
TCANTGTGACAGAAAAAAATGTTTTGTGGTAACTTTTACTTTTTAT

Sequence 3077

AGGTACCGCAAGGCCCGGGAGGAGGCGCAGCGCTCAGCCCAGGAGAGGAAGGAGCGGCTG
CGGCGCGCGCTGGAAGAAAACCGCCTGATTCCCACTGAGTTACGCCGAGAGGCTCTGGCC
TTACAGGGGTCCCTGGAGTTTGATGATGCTGGAGGTGAAGGTGTGCCAGCCACGTGGAT
GATGAATACCGATGGGCGAGTTCGAGGGGGAGGCTGAGGAGGAGGTGGCCTANAGCCTTC
AGTCACTGGGGAAAGCAGGGAAGCAGTGTGAACCTTTATTCACTCCAGCCTGTCTGT
GGCCTGTCCCACTGTGTGCACTTGCTGTTTTCCCTGTCCACATCCATGCCCCGTACCTNCC
CGGGCGGC

Sequence 3078

AGGTACTGAGGAATGAATAGGAAGGCTTCCAGATGTCTAANNGGATGNNNNNNAANCTAC
TGAANNAGAAACCTATGTTAACAACCCTGGCGGAGTATTTGCTGTTTGTNCAGTTCAGGA
ATTTTTGTTTTGTTTTGTCTTATATGTGCGGGATTTT NAGAAGAAATNTAATCAGTGTG
GACAAGAAAAAAATGCTTTATGGTAGCTTTTACTTCTTTATGAAAAAAATTTATTTT
GCCCTT

Sequence 3079

AGGTACTGTGGGTGCGAAGTAATGGATACGGACGTAACCATCTTCGCCGCCGCTGCTGTAG
CTCTTGCCATCAGGATGGAAGGCAACACTGTTGATAGGTCCAAAGTGACCCTTGACTCTT
CCAAACTCTTCTTCAAAGGCCAAATGGAAGAACCTGGCCTCAAACCTTGCCAATCCTGGTG
GAGGNTGNNGTTACATNCATGGCTTCCTGACCACCGCCANGACCACATGGTCATAGTTG
GGGAGAGGGCAGCTGAGTTGACAGGACGTTCTGTCCGGAAAGTCTTCTGATGTTCAAAG
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CTATCCAGACTTGGCACTATACTGGTTGAAGCTTCTCCACTCTTATGGCCANCTAATGAT
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AAAAAANANNTTNGAAAAAGNNCTTGGGNAACNNNATTTCTTNTTATTTTNNNGNGGG
GAAAAACNTNGATNTTTNTTNCNCNCNAAAGTNNGAAAAACAACNNGNNNTTNNGCGNNNAC
NTTANTTGNNTTATGGAANANGNNGCNACNCNTTTTTTTTTTTTTNTATTGNTANNC
AGCNAAANAANATGTTTTTTTNTANTNTNTNTNCCCCCCCCCCCCCCCCCCCCCCCC

Sequence 3080

AGGTACTCAGATAGTTACATCCCTATATAAAAAGTATGTTTACATTTAAAAAATTAGTAG
ATAACTTCCTTTCTTCAAGTGACAAATTTCATTTTGACTTGAGTCAACTTTTGTTTTGG
AACAAATTAAGTAAGGGAGCTGCCCAATCCTGTCTGATATTTCTTGAGGCTGCCCTCTAT
CATTTTATCTTTCCCATGGGCAGAGATGTTGTAAGTGGGATTCTTAATATCACCATTCTT
GGGACTGGTATACATAAGGCAGCCGTGAAACTGGAAAGTCATTTTGATGACTGATGTGAT
ACATCCAGAGGTAATAATGCATTTAAACATATTAAAGTATTTGCCAAAGATACAATTTTCT
TGCTGACATAAAAATCACACAAACAAGTCCCCCCCCAAACCACAACTGTCTCTCAAATAGC
TTAAAAAATTTGAAAAACATTTTAGGATTTTCAAGTTTTCTAGATTTTAAAAAGATGTT
CAGCTATTAGAGGAATGTTAAAAATTTTATATTATCTAGAACACAGGAACATCATCCTGG

Table 2

GGTTATTTTCANGGAATCAGTCACACATGGTGTGGTGTGCTGGNAAATAGTNTAAATTAAN
CAAAGGCCCCNTAGTTTTAACTACTTTGGGGGGGGTGG

Sequence 3081

CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCGCCACGCCAGCCCTGTGCTGGCCA
CGGTTTCGAGCGGCCGCCCGGGCAGGTACAGTCTGCTGAACCTTGGGCATCCTAGTCATGC
CACCCACAAGAATCACTTCTCCTATGTCACTCTTGCTGACTTCTGCATCTTGCATAGCTT
TTTGGCATGGAGCGATAGTNCCTTCTTGATTAGGATCAGNGGACAANTNCCTTCAAATTN
GAGCACGGGGTCAAACCTTTCATATTCAAATGCTTGGGTCCAGAAGAATCCATTGTAAGAT
AGGGCAAATTGATGTCAAGTNTGCACAGATGAGGAGAGTTACATTTAGCCTTTTCAGCAG
CTTCCCGTACCT

Sequence 3082

AGGTACTGAAAAATNAACATCAAGCNAGNTTNTGCCCTTNTGCTCNACGGGAGGTTTCTGT
NNTNNTGANCCTCNCNTTATGACACCTNCNTTACNNTNTGACAGGTGTACCTCN

Sequence 3083

AGGTACAGTAGCCTGAACAATTTTCAGGGGGGCGAGGTGCTCATCGTATACCATTCATAC
ACTGGCCAAAAGGGAAGGAGGCCACATAGGCATTGGAGTCCACACACTGCTTCATGTTGC
TGCACCACATACACTCAGAGCTGCCGCTGGTGCAATCTCCACATGCTGTCCTCAAGGCAC
ATGGTGTCCGGCACTGCTTAGCACTGTGGTTTGCAGGCCTTTCACAGACACTACCATTGA
GTGGGTTGATGCAGGTTGCAGCCTTCAGTCCCCGAGTACCCTTGAAGACAAAGTTATAAT
CTTCCTCAGTTCCATTCCCCATCTTGGCTCCGCATGGAGGGTGCAGGTGTCTTCGGGGAC
AGAGGCGACAAATCTGTGTGTTGGCTCAATGCCCTCAACCCTCAGCTCTCAAAGATCTG
GTCTGCCCCCTCCTCTCATTGGGGTAAGGGGACTTCTGCAGCCAGAGGGATTGGGGACC
T

Sequence 3084

CCGGGCAGGTACTTCCCAGGAACTGGGGACCTACGGGATATCGGGGCTGGCAAAGGCAAG
CTGGACGTCCAGTTCTCAGGACTACCAAGGGGATGCAAGTGCAGATGTGGACATCATC
GACCACCATGACAACACCTACACAGTCAAGTACCTT

Sequence 3085

ATNCTGANCCACCTTTGGAAGAGCTGGGCTACCACATNTACTCCANCGACCCACCTTTNG
AAGTTCNTGGTGCCAATCAGTGGATCAANTTTAAGTCANNNCNNTTNANGGGAGGAGAANG
ATAGGTTATANCTTCAGGGGGCTACCANACAGTGTCTCAACTTGGTTAANGAGGAAGAA
AAECCAGTCAATGAAATTCATGAAATTCCTGNAACTTCCATTAANTGTGTNNATNGAN
CANGTNATANTTGCNTGCAANTTGTACCTCGGNCGNTCTAAAAACTAGATGGATCCCCCG
GACTGCATGGA

Sequence 3086

AGGTACAGTCCAGTCCTTGGGAGATCGACCTGGGACTCCATTGAGAAATCTTGAAAGNG
CCAGCTTTGGGAAGAAACAGCCTTGAGGGGAAGGGTGGGAGGGCCCCGGCTTACGCCCCCT
TAACAAGAATGGGAAGCCAAGCTTCAANCGGGGGANTCCCCTGGCTTGGCAACCTTTGG
AGGTCNAGAAGCTTGGGCANCAAGAACCCCGGGGCCAAGGAAGGGGGAACAAGGCCGGCC
CAGGCCCCAGGAAGNTANTGGAGGGCCCCCTGGCTTGGAAACAATCCAAAGGGTCAAGCT
TGGGAAGGCTTGGAGAATCGGCCACCCTAACCGGCCGCCTGCTTGGGAAAGAATGGGCNA
GGGACTTTTAAATCTTTGGGTGGATGCCCTTTGGGACAGCAGCAAACTNCCATTGCCAAA
CCCATNCCAAAAAGAACCACCCACCCCGCCCGGATAG

Sequence 3087

AGGTACAAAGTGTATGCACAACGGTGGCATTCTACCAGCCACACAAAGCATGCTCAAACA
GATGTACACAGTTCACTCACTCCATTGGCATGGCAACAGGCAGGTTTACGGGATGTTTCC
CAAATAGTGGTTNTTANCAGNTCCAGCACCCACTTGTGGAATTTTGTGAATTTTGA
AAAAAANAAGNTGTAAATTTATNGGAATNCAGGGGATTTCAAAAAAGTAAATTCATT
TGTATCGCAATTTTACCCCCANCAAGAGGGGGNAAAAACNTGGTATGCCGACTTGNAAA

Table 2

ACCTTNGGCTTATTAGGATTAGCCTTTGNATTGTTCCCNAAATTANTTTTCTAAAACCAT
ATTNNATGGCNCCAANCTTCTTCTCAATTNTTTTTTCAAAGTTTAAAAAATTCNCANGC
NTTTNTCAATTTCCCANCTNNGNAAGTAAAAAACNAANCAACNAAATTTTTTTCCTTA
AGACCNCCTTNCAAAAANGAANACCAANCCCAAGGCNTTTTGNTNTAACCATTTTTTTTC
C

Sequence 3088

AGGTACACACCCGCCGTCGCTACTACCGATTGGATGGTTTAGTGAGGCCCTCGGATCGGC
CCCGCCGGGTGCGGCCACGGCCCTGGCGGAGCGCTGAGAAGACGGTCGAACTTGACTAT
CTAGAGGAAGTAAAAAGACCTGCCCG

Sequence 3089

AGGTACCTTTTAAATTGCATGGGTAGTTTTAAATAAATGGAGAAAGCACCTTTCAGAAGCT
ACACTAGCAGGAAAAAATTCATCAAGCATTTACATAGTAAATTTCTATAATTTCAAAA
AGATTCTTGATCTTANCTTGAAAGTNTTACCTTGANGGGGAAAAAGAGCNCCTCTCAGN
CTAGGTTGTTCCNNGTTTGCTTTACAGGAAAGTCANNACTAAAAGNGACCTAAAACTGG
GAGGGCAAAAGCCCAAGGGATGGCCCAAAAAAAGTGNGGGAAAGAAGGAAAAATTGAA
TNAANGAAACCCANTTTCCAATAAAAAATTTNCCCANTGTTCTTACCTTTTACAAATG
NNAACAATTTTTTGGTCCTTAAATTGGACCCCTTTNTACNNTTAAATTANAAGNTTAA
TTATTTNTAAGGGGN

Sequence 3090

CCGCGGTGGCGGCCGAGGTACTTTGCCTACGGCAGCAACCTGCTGACAGAGAGGATCCAC
CTCCGAAACCCCTCGGCGGCGTTCTTCTGTGTGGCCCGCCTGCAGGATTTTAAGCTTGAC
TTTGGCAATTCCTCAAGGCAAAACAAGTCAAACTTGGCATGGAGGGATAGCCACCATTTTT
CAGAGTCCTGGCGATGAAGTGTGGGGAGTAGTATGGAAAATGAACAAAAGCAATTTAAAT
TCTCTGGATGAGCAAGAAGGGGTAAAGTGGAAATGTATGTTGTAATAGAAGTTAAAGTT
GCAACTCAAGAAGGAAAAGAAATAACCTGTCTGAAGTTATCTGATGACAAATTACGAAAGT
GCTCCCCATCCCCACAGTATAAAAAGATTATTTGCATGGGTGCAAAAG

Sequence 3091

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACAGCCTGAGTAACCAAAGATAA
CACTAATATAATGTATGGGAAGGCGTAATATAAAAAGCCTCCACCAACTGCCTGAAGCAC
GGTAAAATTGGGAAGAAGTAAAGTGCAGCATAAATACTTTTAAATCGATCAGATTTCCC
TAACCCACATGCAATCTTCTTACCAGAAGAGGTCTGGAGCAGCATCATTAATACCAAGCA
GAATGCGTAATAGATAAATACAATGGTATATAGTGGGTAGACGGCTTCATGAGTACCT

Sequence 3092

AGGTACAGAGGCCCCAGTTACTACTGGTGTAAATTTGTAGTTTCAGCTGTGAGTCATCT
AGCTCACTTAAACTGCTANAACTTATGGCAAGCAGCACGGANCAGNGCAGTCAGGCGGN
CTTAATCCAGAGNTAAATGATNAGCTTNCCANGGGCTCTGTCTTAATCAAGAATGATCT
ANCCNAAAGTTCAGAAGGAGAGACAATGACCAAGACAGACAAGANCTCNAAGTGGGGCTAA
A

Sequence 3093

CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGTGTGGCTTGGTC
ACTTCGTGGCTAAGGTAAGAACGTGCTTGTGGAAGACAAGTCTGTGGCTTGGTGAGTCTG
TGTGGCCAGCAGCCTCTGATCTGTGCAGGGTATTAAACAAATACCAAGGGGAACAGTTAA
CTTCAATACAAGGTCAAATCAGCAACAAGTTCTACAATCCAGTGCTGATATCAGATACA
AGCTTCAAGGACAATTTCTTTTGAAGGCTTATTCCAGTTTCGTGAGGCTAGCATGAGGT
GTGTGCATTTGCCAGGGGCAAATTTCTATTCTCAATTAACCCATGCAGCAAATGCTACGC
ATCTGCTGAGTCCGTTTGAAGCATTTGCGGTGGACGATGGAGGGGCCCCGACTCGTCG

Sequence 3094

TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGACTTAAACCACTTGATAAC
GCCTTCAGTAAAAGCAGCACCAATTGCTAGGCCATCGCTGAAATTGTGCAGGCCATCACC

Table 2

CATTATCACCATCCAGGCCAAAGTGGCTGACNCCGGCATCTTTCANGCTCCTCCCCTATA
GTAGCCGCTGGCTGTGACTGTGAGGATGGTGGTTTTGGTGGTTGGTG

Sequence 3095

CCGCGGTGGCGGCCGAGGTACATACCTCTCTAGTATGTTCTGTGACTCTGCTCATTACAA
TCCTGTGCTCTACATTGATCCTTGTAGCAGTTTTCAAATATGGCCATTTTCCCTATAAG
TTTTATGTAGTTAAATGCTTCCTAGAAACCTAAATAAGATCTATTAATTTCTGACGAGAG
GTGTTCTTCTAGAATTAATTACTTTTATCTTTTGTCTTCATTTGTGGCCAAATTATGTT
TACTAGAGGAAATTTGGGATCATTCTCAGCTAATCCAAATGTAGTGCTCTATTGCATG
GATCCTTGGTAATCCTCAAGCATCAGATGCCATAAGGGGAACTTAATTCTGCTAAATTA
ATGTTTATTTTGTGAGAAGTGACTTTATCTTCATTTGGGGTAGAAAAATTATT

Sequence 3096

ATACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTCACATCACAATGTC
ATTTTGATAGGAGCGTTTTGTATTTTTACAAGGCAGAATGGGGGTGAACAGTTGAATTA
AAGCTTAGCAATCACGTGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
ANGCTTGACCTN

Sequence 3097

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCATTGTTGATTGATAAGTATGAG
ATACATTTTTTATGATGTTTCATCACAGTGTGGTAAGGTTGCAAATTCAAAACATGTCACC
CAAGCTCTGTTTCATGTTTTGTGAATTCTAGGCTGGTGCTGCACTGAAATAGAGCAGTAA
GCTTGTGATAAAGGCCAATCCAGGTAGCTCTTGAAGGTGATGGCCA

Sequence 3098

ACTGAGATATCCACATATTTTTGAGAAAAATCCCAAGCCAGGCGAATGTGGATTGGAAT
AAAGACATAGGCNGTGTATACCACCATAGCAATAANGGTTAGTAAGATGGTGTAAACAT
ATNATCGCTCCCAGGGCTCTAAAA

Sequence 3099

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGCTATAGCTAANTCAA
CTAAAAATCAGTTATGTAGTGTNGCTCAACAGATGTACTGTGCCCTGACCTCAGCAATGA
TGCTGTCCATGTCCAGGGAGCGGCTGTTGTCCATGGACAGCACCACAGGTGTGTCCCGAG
ATCTGGGACTGCAGCTCCCGGATCTCCTCTTCATATAGCTGCCTGAGGAAGTTGATCTCG
TCGGTCAGCCCTTCCAGGCGAGACTCCAGCTCTACCTTGTTCATGTAAGCTNCATCCACA
TCCTTCTTGATGAGGACAAATTCGTTCTCCATCTCTGTACCTNN

Sequence 3100

AATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGAGCAGGATTACCATGGCAACAACAC
ATCATCAGTAGGGTAAACCTAACCTGTCTCACGACGGTCTAAACCCAGCTCACGTTCCCT
ATTAGTGGGTGAACAATCCAACGCTTGGTGAATTCTGTTACAATGATAGGAAGAGCCGA
CATCGAAGGATCAAAAAGCGACGTCGCTATGAACGCTTGGCCGCCACAAGCCAGTTATCC
CTGTGGTAACTTTTCTGACACCTCCTGCTTAAACCCAAAGGTCAGAAGGATCGTGAGGC
CCCGCTTTCACGGTCTGTATTCTGACCTGCCCGGGCGGNCGNCCGGGCAGGTACAGGGAG
GAATTTGAAGTAGATAGAAACCGACCTGGATTACTCCGGTCTGAACTCAGATCACGTAGG
ACTTTAATCGTTGAACAAACGAACCTTTAATAGCGGCTGCACCATCGGGATGTTCTGATC
CAACATCGAGGTCGTAAACCTATTGGTTGATATGGACTCTAGAATAGGGATTGCGCTGT
TATNCCTANGGGAACTTGTCCCGTTGGTCAAGTTATTGGGATCAATTGAGTATAGTTG
TTCGCTTTGACTGGTGAAGTCTTANCATGTACCTT

Sequence 3101

CCGCGGTGGCGGCCGAGGTACAGAACTTACCGGCCTAGTTCTGCCTCACAGTGTGTGGG
CTGGTATTTGCTTTGTGCAGAGATCCCAGTTAAACCAAGTGGGCCAGAACTCATTCCCTCA
GCTGGTGGCCAATGTCACAAACCCACAGCACANGAGCACATGAAGGAGTCGACATTGGA
AGCCATCGGTTATATTTGCCAAGATATAGACCCAGAGCAGCTACAAAGATAAATCCAATG
AGATTCTGACTGCCATAATCCAGGGGATGAGGAAAGAAGAACCTANTAATAATGTGAAGC

Table 2

TAGCTGCTACGAATGCCTCCTGAACTCATTGGAGTTCACCAAAGCAAACCTTTGATAAAGA
AGTCTGAAAGGCACCTTTATTATGCAGGTGGTCTGTGAAGCCACACAGTGTCCAGATACGA
AGGGTACCTCGGC

Sequence 3102

CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAGAGGACCATCCTACCA
GTGGGGCCACGTCTCAACGGTTTATCCTTCACCCATTTTCTGCACGTATCCTGAGGTA
AACCAATTTTAAATGTGTTTGTTCAGTAAACCAGCTATGACAATTTATACTAAACAA
TTGAACTAGAACCCATTTGAATAGTTTTGAATTTGTTTTTCATTTTTCATTTTAAATA
CAAAGGCCTGACTGTGCTCAATCGTCAAGTGCATGCATGAAAACTGGCCAGCCCCAAC
AGTGTATTAATCATTAGCAAATGGAACTTTAAGGAGTCCTTATCATTAAAGGTAGTACCTG
CCCGGGCGGCCGAGGTACATGAACTCCAGCAGATTTAATATTGGCATCCATCATCTAGT
CAAACCTCTCACATGTTCTTCAAATCAATCAAATTTGGGATTCTCAACATTTTCTGTGTC
AATAAAAGGTGTGGAATTAGTAGATTTCATGAAGACCTGTTTTCTTGCCACATTGGAC
TTNCAGACGCCATTTGGATTGGGTTTGAAGATGGGGAAATTTAAAGA

Sequence 3103

CCGCGGTGGCGGCCGCCCGGGCAGGTACAGGGTTCCTGTAGGGTAGTCTTAAGTCCTAAG
AGGCACCAAGCGGTTACAAAGGCTAGGTGACAATCCAAATCACAAGGTCCGACGATATAA
TAAATCCCGTGTTGCCTTATCAACTTTTTGCTGGTAGTCTCCAATTTGTCAAGTATTTT
CTGGGACAGTGCGATGTTGTGACTGTTGGCACTGTTCTCTCCAGAGCTTGGAGAAGCTG
ATCAATAGAGGAGTATGGAAGCCACACCATTGGGGCTGTTGCGGACAGTGGAACCTCAAT
TCCNAAGTATTGATGTCTTTTCCCAATACAGCATCCACATATTCTGACACCAAATCCAC
AGCTTCTTCTAAAAGGTACATAGTTTAAGTATAAACGAAGCAATTCAGCAGCATCAACCTT
CTTGTAAGTGTATAAGCCAATTAGGCAGAGGCGCTCCATGAGACAAGAGCTTGTGAT
TACACAGTGGTGATACAAGTTATTCTGGACTTTGTACCTCGGCCGCTCTAGAATA

Sequence 3104

CGAGGTACCTCCTCAAGGTTCTCCAATATGGGCAGTTCAGTAATGGGGACACAGATGAA
CGTGATAGGACAATCTGCTTTTGGTATGCAGGGTAATCCTTTCTTTAACCACAGAACTT
TGCACAGCCACCAACTACTATGACCAATAGCAGTTCAGCTAGCAATGATTTAAAGATCT
TTTTGGGTGAGGTGTCTTACTTCTATTTTGAAGGATTATTTCAAGTTTCAATCATGGGTGA
GCTGATTTACATCTTTATATAGTTGGCTTGGAGGAAGCACCT

Sequence 3105

GACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTCAGAAAGTAAGGT
GTTCTACTTTCTGGTTGTGTAGCATTGGGAATAAGATATTTGTCCAACAGCTCCAGAACA
TCATTGCAGATGTCTGCAGTTCTGCCTCTATCTTCTCACGGTACCT

Sequence 3106

AGGTCNCANCANNTGGGGAGGAGCCAAAGCCTNNGGCGCTCACCTAAGCCGCAGGGAGATA
CACCCAAGTGGGAGATGAGGAAACAGCAACCCAGAGAGGANAACCTAACCACACAGGATC
ATTCGTGAAGGAGCAAGGCTGAAGAACCAAGACCTGGACTTTCTTANGACAACTTACT
GCANCTTGAAGGANCCAACCATGGATTTGAGGCGTGTGAAGGAATATTTCTCCTGGCTCT
ACTATCAATACCAAATCATTAGCTGTGCTGTTTTAGAGCCCTGGGAGCGATCTATGT
NTAACACCATCTTACTAACCATTATTGCTATGGTGGTATACACTGNCTATGTCTTTATTC
CAATNCACATTCNCCTGGCTTGTGAATNTTCTCAAAAA

Sequence 3107

ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAATAGCTCATCTA
GGCTACCACAGTTAAGTCTGAAGCAGGGCTGTGGCGTGGGTGAACTACAGTATTTGACAT
CTTTATACGGATTAAGGAGTTGGGTACAGGAAACCTGATGACCCAGGAGAGAATGAAAAA
TTAAGTCACCAATTATTATTATAATAGTCACCAGATCATTTGACACATTAAATTTAGT
CTTGGCTTCAACTTAAGAATATAGAGTTTTAGGAAATGTTTTCCATATGCATAAAAAAC
AAGAATGGAGGGATGCAGACCAGCAGCTATTTTCTGAGAACAAAACATCAGCCCATGTGT

Table 2

TGCTTTACACTTTTAA

Sequence 3108

ANCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGG
GGACCCGGCTGCGGTGGCTGCGGGACTGACGAGTGAGTCTCGGGCTGGGGCGGAAACGGA
GCTCCGGGAACTACTAAAGTTCCTGGGGAAGCAAAGTANAATTCATAAGAACAATAATG
GGATGGAGAGGAGAAAAACCTATGGTGGCTGTGAAGGACCTGATGCCATGTATGTCAAATT
GATATCATCTGATGGCCATGAATTTATTGTAAAAAGAGAACATGCATTAACATCAGGCAC
GATAAAGCCATGTTGAGTGGCCAGGTCAAGTTTGTCTGAGAACGAAACCAATGGAGGTCA
ATTTTGNAGAGATACCTTCACATGTGCCTATCGCAAAGTATGGCATGGTATTTTT

Sequence 3109

ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGCTGGTNGGACCTATT
CATGCATCTTACCAGCAGCTGGTTGGACCTATTCATGCATNTTACCANCAGCTGGAGC
ATNTCCACCCCTGGTATTNCTGGNGTAAATTACTTGAGCTCTGTGCTTNGAAACAGTTN
NGATAAGTCCTTTACTAACGAGCTNCTNAAGGGCTNCCCTGGCCAGGAGCCTCGAATC

Sequence 3110

TCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTGAACAGTGG
CCCAAANGCCACTGATCAAAAATAAATAGTGGCTGTATATCAATGAAATGAANTCCAAG
AAGCTTTAACCCTTTGGCATCAGAAATCCAGATTTTTCCAATTATGT

Sequence 3111

CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTATTGGCACAATTCGG
GCAGCCTCCAGGGCTAGGTAGGGAGAAGAAAAGCANCAAAGTGAGAGAAGATAATAGAGA
AACATTCACCACGACTATCTCCAGCTCAGGGGAACTGTGTTGGCTGAGTTTTGAAGGCT
CATGTTTCATCAACTCCCAATCCAGTGCAGTGTATGTGGGTGGGGTTGAGGGAGCACGG
AGGAAGGACTGGGGGGTGACNAACAAAGAATCCTGCCTTACCTTCAGAGGACAGCTGCTC
ATATTCATCTGACACCATGTGGCCACAAAGCGGAAACTCATCCACTTTTTGCCTTTTTCC
GCCCCAGGTCAAAAATGCGAATCTTGGCATCTTAAAGGATTGGGTAAA

Sequence 3112

CTACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTGTTT
GTTTTCTGAAAGCTTTGTGGTTTCGGTGAGCTCTCAGAGCCGATTCTAGCGTCCGTGCC
GGGGACAGGTGTCCAGAGGTCCGCTGCTGCAGACATGGCGGCCTCCACCGCGGCCGGAA
GCAGCGGATTCCCAAAGTGGCCAAGGTGAAAAACAAAGCCCCGGCTGAGGTACCT

Sequence 3113

CCTACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTTGC
GGGACGTGGACGGAAGAAAAAGAGAGTGAGCGAGCGCCGGAATCAGCCCGCGTGGAGT
GCGGACCCGCGGTAGTGCCAGGGGGCGAAGGCGGCGGTGGTGAGGAAGATACTTTGGTTA
GTGACCACATCGCAGCATGTTGAGTCAAGTTTACCGCTGTGGGTTCCAGCCCTTCAACCA
ACATCTTCTGCCCTGGGTCAAGTGACTTCTCAGCTTCCTGGACCATACGTTCAATGTCT
TCCTTGCTCAAACGGCCCTTGTCATTAGTGATAGTAATCTTGTTCTCTTTCCCGTACCT

Sequence 3114

CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCACGGATAAACAAG
TTTTCCAACACTAATTCAAGAACCTCTGAGAGAGATGCATCAACCTTGAAGAAATTTTC
AGGTCTAGCCATGGCTGGTAGTTTTCAAGTAGCAAAGAAGGCCTATGTCGTTTACATTTT
ACTTTACCACAAACAGCACAGCTATGACCTTGAGGAAATAATTCTGAAGTCCTAACTGC
TTGGGTTTGTATTTTATTGTGAAGAATATATTTGTAAGAGAGAATCAGGTCCTAGTGAG
CAGTAGAATGTGACAACTCCAGCAACACCT

Sequence 3115

AGGTACGCCACATCCTGTGCTAACAACTTTGCAATGAAAGGAAAGCGGAAGACGCTGAAT
GCCAGTGATGTGCTCTCAGCCATGGAAGAGATGGAGTTCCAGCGGTTTCGTTACCCCATG
AAAGAAGCTCTGGAAGCATATAGGCGGGAGCAGAAAGGCAAGAAGGAGGCCTCAGAGCAA

Table 2

AAGAAGAAGGACAAAGACAAAAAACAGACTCGGAAGAGCAAGACAAGAGCAGGGATGAG
GACAATGATGAAGACGAAGAAAGGCTGGAAGAAGAAGAACAGAATGAAGAGGAAGAAGTA
GACAACCTGAAAAGGGCGGGAGACTGTGGCACCTTGAAGGTACCTGCCCCG

Sequence 3116

CCGCGGTGGCGGCCCGGGCAGGTACCTAACAAACCCACAGGTCTTAACTACCAAACC
TGCATTAAAAATTTTCGGTTGGGGCGACCTCGGAGCAGAACCCAACTCTCAGCAGTACCT
CNGNCGCTCTANAACATNNGGATCCNNCGGGCTGCNTGAATTCNATATNAAANCTTATCN
ATACCGNCGACCTCTANGGGGGGCCNNTNCCNGCTNTTGNCCCTCTNTTGAGGGGTAA
TTGNACGCTTGNCGCNTTCATAGANATAGNTGTATGNTGNGTACNNCTAAAGGGCATCCA
NGACCTNTANNATNATNCAACNATTTTGCATGCCAGNNAANCAATTTGACTGNCCAAGA
AAAACATCTNATTCCTTTTGTCTTGAATATCCCTGCTNACGCNCTTTATNAATTATATT
TGCCACAGATGANTCCCTNCATNAACTAAGAAAAGCCNGTTTTCTTTATTTNAACTTGG
TGGCGAATGTGTTGCCGGGTCTGTAGGGCTGCTTTCTGGATTGTCTCCTAACCTCTAG
TTTAATTGGA

Sequence 3117

CANTTGCCCCCTGGTAACGGGGGAGGCAGCAGGAGGAGGAGGAGGAGGAGGACTCGGCGG
GAGGATGGGCTTGCTCTCAATTTTGCGCAAGTTGAAAAGTGCACCANACCAGGAGGTGAG
AATACTTCTCCTGGGCTTGGATAATGCTGGCAAGACCACCTCTCTGAAGCAGCTTGCATC
TGAAGACATCAGCCACATCACACCTACACAGGGTTTCAACATCAAAAGTGACCTCGGCC
GAGGTACACTTGAACCAAATTTCTAAACTTGTTTTTCTAAAAAATAGTTGTTGTAAC
ATTAACCATAACCTAATCAGTGTGTTCACTATGCTTCCACACTAGCCAGTCTTNTCACA
CTTNTTCTGGTTT

Sequence 3118

CGAGGTACAAAGGTTCCAAGGGACAGGACCAAGAACGAGGGGCTGAGACATTTACAACAG
CAGGCATTTTCTCTTNTCTTCTTTCACGGGGAGGCGGGCAGAGGACTGCTCGGATCGCT
TCGTCAAACACTGCTTGAGGCCCTCGCTTGTGTGAGCGCCGAGCACCTCCAAGGATTTT
ACAGCACCCAATCTTCTTTANCCCATGGCTAGACCTTGCNGATAGGTGATGGGGAAGT
CAACTTCTTCTTCTTCAAGTTTCTCGATCGTGGTCTTTATCATTCCCTAAAGATCAAAG
TTTAATTTCCCACTTAGGATGATGGGGAGTGTGGGGACAAGTGGGTGCCCCGACCCTNA
AGGATACCACTTTTGCACCGGACATTTTCAAATGATGGCAGGGACTCACAANGGGAAA
AAGCCAAATTAAGAACACCATTTNGGCAATCNGGCTTTGTCTTTGCCCCGGGGAGGGTTA
TTATTCTTACCGGTACCTTCGGGCCGCTTCTAAGAACTAGTGGGATNCCCCCGGGGCC
TGCAAGGAAATTCNATATCAAAGCCTTAATCGATACCCGCGACCCCTCAAGGGGGGGGCC
CCG

Sequence 3119

CGCGGTGGCGGCCCGAGGTACAACTCGCATTATGGCTTGGTTTCCCAGAAGATCTCCA
TTTAACCTTTTTAAAGAAAGTTTATTGCTTCTTTAACCTGCATTTTTCTAAGTTTTT
TTCACATAAAGGTGCTGTCTTTGTGGCAAGGCCTAGGCATGACAATCGGAGGACTCGAGG
GGGATGGAGGACTAGTGATCGGCTGGCTGCTTCCAGTCGATTAGAGAGGTGAAAAAGCTG
AACGTGTGCCAGTAATCTTCAAAGGCAGAACATATCACCTCTGCCCCGTAACTGTTCT
CTCCGAGGGAAAAAATGGAAGTTATCCTCACAGTTCACTGCCGTGGTATTCTTCTGTCC
CATGCTTTCATGACTGCCATGGTACCTCGGC

Sequence 3120

CTCCACCGCGGTGGCGGCCGAGGTACTGGAAGACAGTGGTTCTGATGGGTTCAGCCCTNT
ANGAACTGACCCANTGAAATAGCGGGGTTGCAGGCANACATTGANCTGCNANACAATGG
GAATAACCTTNGTGTCCACCTGTGGGGGACTGATTCAATACATATGCACGTCCACANCAG
AGAATGCCATGCTGGCCTGCTACTTGGGGC

Sequence 3121

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACCAGGAATCCTG

Table 2

AGTTCGTGAAAATCTGTTCAATCCAAATCTGTTAAGCATTTCCAAACATCCAGAGAATG
GTTTCACTGTTGAGGGTGCATGTGGCAGAAATCTGTCTCTCTGCACCTGTCTTCTGTTA
CCATCCCTGGACAGTGACAGATTTTAAGCCAGCCACCAGAATTCCTTTCGAGTTAACCAT
TTCTTAGTTTCTGTAAATTCGTGACTTGTCTTACTGAACTACAGCCTGGTTTGTAAGCTT
CCAACATCTACACTGCTGCTCTTACCATTGGAATTCAGTGTGGTATTTATAGTATTGGC
TTCAGTCCGAGCCACAGGCAATAAAAGGATATCAGCTGTAGTTCTCAGCTACATCATGGT
GTATAGATGCTGTTATTCAGGCCAACTTGCTCATGGGTGGACTAACACCTGGTTTGGTAC
CT

Sequence 3122

AGCTCCCCGCGGTGGCGGCCCGAGGTACTATGNGTGGTTCACCCACTGTCTTACTCTCTA
GGAACACTGAAGTGATTNGTTTGCNGNCNCTGCANNACAGCNCTTGGTCCCCTCTAAACA
TGCCACCCACACGNTTTGTNACCTGAAAAATCTATNNGTATCACTTCTNCAAAATGG
CTAGGNGCAAGNCTACGTCAGAATTAATCGCTCCCTTTCCCCAGTTTCCACATNTTATTN
TTTGACTTATCCAAATTTCTACCACCTTTGTTATTGCTCCTGCTTACATTCTGCCCATAT
TGAACATGTGGGTATATGCCAGGCTCTATGCTTCTCTTTATTATTNTATTGCCCTCTTA
TGTAACCCCTACAAAAATGTTTTTTT

Sequence 3123

AGGTACAGCCTAGAAGAAAACAGAGAGATGAGCAGCTTCTGACAAATGTCCTGGAAACAC
TTCGAGGTGATGGAAATGTGTTAATAGCAGTGGACACAGCAGGCAGAGTTTGGAACTTG
CTCAACTTCTTGATCAGATTTGGAGGACTAAAGATGCAGGATTGGGTGTTTACTCATTGG
CACTCCTAAATAATGTCAGTTACAATGTGGTGGAGTTTCTAAGTCCCAGGTAGAATGGA
TGAGTGATAAATTGATGAGATGTTTGAAGACAAAAGAAATAATCCGTTTCAGTTTCGCC
ATCTCTCTTATGTCATGGTCTTCTGACTTGGCCCGTGACCTCGG

Sequence 3124

AGGTACAGATGATGGAGAGTTTGGCCTCAAGTTTTATAAACTGAGCGAGACTAGTGTTT
AGGATCTCCTCCCTTGTTAAATGTCAATAAATGCCCAACTGCTTATTAATTGACTGTG
CCTTGGGAAACAGTGGGAAGTAACTTGGTGCAGCACTGGGGTATTGTTGGCTTCTTGTT
TGGAACCTTTGTAATGTAAAAGGAAAACTGGAAATCCCCACGCCCTGTTCCCTTTATC
GTCTTGTTGGTGGACTGGTTCAATTCGTTTAACTCGAATTCCTTGCTCCTGGCCGTGGTTA
AGCTGTGTACTCCTCAGCAGAGCTGGAGGACAGCAAGGCCAGGACCAGCCCC

Sequence 3125

CCGCGGTGGCGGCCGAGGTACCAAAGATTTAATTAAGTAAGTGGGGATCGAAGCCTAG
TAACTCCAAATCCGAAACTACATTAGAAAAATTAAGGGAGAAATTGCACACTTAAAGAC
ATCAGTGGATGAAATCACAAAGTGGGAAAGGAAAGCTGACTGATAAAGAGAGACACAGACT
TTTGGAGAAAATTCGAGTCCTTGAGGCTGAGAAGGAGAAGAATGCTTATCAACTCACAGA
GAAGGACAAAGAAATACAGCGACTGAGAGACCAACTGAAGGCCAGATATAGTACCTGCCC
G

Sequence 3126

AGGTACATCCTTACTGGAGAGGGTGTCTGGGACTATATTTATCATTGACGATACCACGGGT
GATATCCAATCAACAAAAAGCCTAGACAGAGAGCAGAAGACCCACTATGTGCTTATGCT
CAAGCTATTGATAGACGTACAAAAGAAGCAGCTCAGGAGGCTGTAAACTGTATAATAAT
CATGAAATTCGTTCTGGAAAACATATTGGTGTCTGCATCTCAGTTGCCAACAAATAGGCTT
TTTGTGGGCTCTATTCTAAGAGTAAACCAAGGAACAGATTCTTGAAGAATTTAGCAAA
GTAACAGAGGGTCTTACAGACGTCATTTTATACCACCAACCGGATGACAAG

Sequence 3127

CCGCGGTGGCGGCCGAGGTACCATTTGTGGTGCCCAAGTTTAAGTTATCTTACATTCAAC
CCAGGACACAAGAACTCCTTCACATCTGGAAGAACTTGAAGGATCTGCCAGAGCATCTT
TTGGAGATCGAAAGGTAGAACTTCCAGTTTCATCCAGCACGGACCTAGCTATGATGTGT
ATAACCCATTCTATATGTATCAGCACATTTACCTGATTTGAGTCGACGCTTCTCTCCCC

Table 2

G TTCAGAAGTGACGAGACTGTATGGATCGGTTTGTGATTAAAGGACGAACAACTTCCCG
GNTCCCCTGGGCTAAGCAAATCTATGTTTGATCTTACAAACTCATCTCAGCGATTCATCC
AGAGACATGATTCATTGTCCAGTGTACCT

Sequence 3128

CCGGGCAGGTAAGGATTACAGGCGTGAAGCAGCATGCCACGCCTATAGTGATATCTTT
AAGTAAGCCTCTCCTATCTTTTTTGTAGCAGTTTTTCAAAGCAACAGGCACCTTATTTAA
TTAGAAAGTTGATGTGCTTCCCTAATGCCTACTAATGAGGTAAAGAACTAAAGAACCTCT
GTGATTTCAATGAAGTCCCTTCAGATGTTATGGGCTACTTGTACCCCGCTACCTCGGC
CGAGGTACTGTTTGGTGTGTGTTTGTCTTCCCCAGCAATGCCTACTGCAGCTACTTAG
TAACAAC TAGAGGTGGAGGGTGTCCGGGAAGCAGTTAGATGAGTTAAGTGT

Sequence 3129

AGGTACTGTGACAGCCCAATGCATTACCTTGCCCGCTGCCTAGACAGAACCGATTATC
AAGACAGAGGAAGTGCAGTGGAGAAGGAGTAAGTACAGCAGAGCCGGCTGTGTGGCAGAC
CCAAGTTTATTACTCAAATCGGTCTCCCCGAGCATTGGGGATCAGAGTTTTTAAAGATA
TTTGGTGGGTAGGGGCTTGGGAATTGGGGATTAGTCAGGTTGGAGATGGAATCATAGGGG
GTTGAAGTTAGCTTTTCTTGCTGTCTTCTATTATGGGTATGATGGCACAACTGGTTGGG
CCAGATTACCGGCTGGGCAGGGTCTGCAACACATAACAAGCCCTGATCTTAGGTT

Sequence 3130

AGGTACTTGAGCCTAGGCAACAGAGCCAGACTCAGTCCTTTAAAGAAAAAAAAAAATTCT
CCCAACTTCATAAGTAAACTGCCTAAACAAATCAGGATTCATTTTACCATTCAATTAGCA
GAAGAGGAAGGTAACAGAAGTTCATATATTTGCCAGATAACTTTATCACCTCCAACCC
AGACTAGAGGTTTTGATTTAATTATCTCAAATGAACTTTAATTATTTGAACCTATGATT
ACCATAACTCTTGTAGAAAAGTGAGATTTCTAAACCTAGTAAGTAATCGTAAAGG
TATAATTTTACCACCAAGTAATGCAAGTTCTTAACAGCTGTCTTGGCCTCAGGGGTCATAA
ACTAATGGCCTCAGTAATAAAATATTTAATAGAAATTAATGAGATAGGCCCAATGATGTG
GGCCAAGTAAAGAGAGGAGAAATAAGAATTGGTGGGAAGTGTGGCAAATCGGAGAGAGTA
TGCACATCTAAAGGGACTCAGAGCAGGTTAATTCCAGCCCCTGTATACCCCGCGTACCTG
CCCG

Sequence 3131

AGGTACTTGAGCCTAGGCAACAGAGCCAGACTCAGTCCTTTAAAGAAAAAAAAAAATTCT
CCCAACTTCATAAGTAAACTGCCTAAACAAATCAGGATTCATTTTACCATTCAATTAGCA
GAAGAGGAAGGTAACAGAAGTTCATATATTTGCCAGATAACTTTATCACCTCCAACCC
AGACTAGAGGTTTTGATTTAATTATCTCAAATGAACTTTAATTATTTGAACCTATGATT
ACCATAACTCTTGTAGAAAAGTGAGATTTCTAAACCTAGTAAGTAATCGTAAAGG
TATAATTTTACCACCAAGTAATGCAAGTTCTTAACAGCTGTCTTGGCCTCAGGGGTCATAA
ACTAATGGCCTCAGTAATAAAATATTTAATAGAAATTAATGAGATAGGCCCAATGATGTG
GGCCAAGTAAAGAGAGGAGAAATAAGAATTGGTGGGAAGTGTGGCAAATCGGAGAGAGTA
TGCACATCTAAAGGGACTCAGAGCAGGTTAATTCCAGCCCCTGTATACCCCGCGTACCTG
CCCN

Sequence 3132

CCCTTTGAGCGCGCCGCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTGGGGGGC
AAAGCCTTGCTTTGTACCCAGGCTGGAGTGCAGTGGCGTGATCTCGGCTCACTGCAACC
TCCGCCTCTCGGGTTCAAGCAATTCTCCTGCCTCATCCTCCTGAGTAGCTGGGATTACAG
GCGCCCAACACACACCCGGCTAATTTTTGTATTTTGTAGTAAAGATGGGGTTTCACCATG
TTGGCCAGGCTGGTCTTGAACCTCTGACTTATGGTCCACCCGCCTTGGCCTACCAAAGTG
CTAGGATTACAGGTGTGAGCCACCGCTCCTGGCCTGGCTTCTTTTTTAAATCATGATTAT
TTAGACAGAAGAACTACTGATGTGTTTGGAAATATTTGTAGTTGGAATAAGAATCAGAAG
ATGGTTTGTGCTTGTATTACATTGTTATTGAGATTCAGCTAGTAAACATACTTGCAACAA
ATGGAGAAAACCTGCCAAGTTCTTGATTTTTTGTCT

Table 2

Sequence 3133

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGGTGGGGCACCCAGGTAGTAATATGCAG
GAAGTAGAATTGGCAACAAAGGACACAGAATGAAATGGTGAGATGGCTAGCGGAAACATA
GGGAGAAATGGCATCACAAAGGCAAAGGGGGGAAAGAAATTCAGTTTAGTGGATAGTCAAC
CAAGGCATTTCACTTAGCAGTCAGGAATGAAAAACGATACTGAATTTGAACATTAGGAA
AGCTTGGTAAATTTCAAGAGTATAATTTCTGCAAAGTTGGAACACAGTGAATAAAAAAGT
GCTAAGAAATTGAGGACAATTGAAAAGTTTAGCAAATGATAAGACAAAGCAGAAGAAGAT
AGTAGATAGTGAGGACAGCANAATCAATAGGAGGGTTTCTTGGGAAGGCCATCTTTGTTT
TAAAGTTTATGGGGAGAGAACCAGTGTGCGAATGGAAGTAGCTAGGGGGAGAACTGAAA
ATGCTAGGAAGACTGGGTGTGGTGGCTCATGCTTGAAGTCTCAGCTGCTCAGAAGCCTG
ACGTANGAGAATTGCTTGACCCANTAGTTTCGTGACCAGCCTGGAATATANCCAGACCC
TGTTCCATAAAAAAAAAGCTAGGAAGGTAA

Sequence 3134

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCTACANATACAGTTNTTAAACCTAAAG
TNACTGGTGAAACAAGCTNCGCTATTACTGANATGTATAATGAATGNCTNAANGCTNTAN
ATNCACTCATCGNTGTGTTTAAGGAGGAAGTGAAGCACANTTGTAAAGAACAAAGTGAAT
TANGTGAATNTACATTGACAAAAGTTGATAATAAAGTTGTCAGAATNNCAAAAAATAATT
TAGTGTGACTTGAANCTTAAATCATGTTATATTAATTAAGTAACACTTTACTGATTT
AATATTTGAGTCATTTCTAAGGAAANTACTGANATATCANTTGCTTAACAGAAGTTTAA
NTATACNGTAATTTGGCATCTTGGNTTCACATGTNNTGAAAAGCTAAACATATTTGGGC
CTGTTAATNAAAGGCATAAAAA

Sequence 3135

CTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTATGCTTATTACTA
TACTGTCCAGTGGCCAGGGCAATAAGTCGTTTGATTATATGATCAGAAAATCTTGGGGAA
CTAAAGGTTCTCTAGAGATAATCTGGTCTAACCCCATTTTACAAACAGAATCTGAGACCG
AGAGATGGCAAGTGACTAGTCCAGGGTCTCCCGCTGCTTTTGAGTCCAACTAGGACCT
GTAGGGCAATGTTCTTTTGCTATACACTGTGCCTCCAGTGCTTGATTAAACAGATTTT
TCTTGATTTTAATTACCTTGTCCTCAATCACATAAATAAATTATCAGGATTTCTGAAACA
GCTTGCCCTCCTAGTGAAAAGTTAGGCGCAGCTCTTAGCTTTAAAAGGGAGGTACTTTTT
TTTTTTTTTTTTTTTTTAAAAAGTCATGGAGGCCATGGGGTTGGCTTTGAAACCAGCTTT
GGGGGGTTTCGATTCCTTCC

Sequence 3136

CGAGGTACACTCTTCTTAAGTCCAGTGGTGCAGGAAAGCTTCAGTTTGTCATATCACG
CAAGACAGGGACACCAAACTACCCCTGCCCAAAGGAGTCCCTCACGGACGCCGCATGT
TGTTACCGGACCCCCCGCGTACCTGCCCG

Sequence 3137

CCGGGCAGGTACAAAAGCCAAGATGCCATTGTGGCCTGGGCACTTGGAGGTCTCTTCT
CGGCAAAGTGAAAGAAGCGGTGAAGGTGGCCATTGATGCAGAATATCGCCACATTGACTG
TGCCTATTTCTATGAGAATCAACATGAGGTGGGAGAAGCCATCCAAGAGAAGATCCAAGA
GAAGGCTGTGATGCGGGAGGACCTGTTTCATCGTCAGCAAGGTGCACATGGCGCATTTGGT
GGGAGGCCTTCACTTCAAGGCAGGCAGAAGTATCTGGATCGGGTGGGCAGCAAGAACTCT
GTCGGCCTTTTCTACGTGTACCT

Sequence 3138

GCCGTATACGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAG
GTACTTTTTTTTTTTTTTTTTTTTGGCACTGGAAAAAGAAAGGGAAGAAGGAGAAGGA
GAATAAGAACCAGAGAATTCTCCTACCCCTGAAAAATTTAGCAAGGGCAGATTATAACAGC
CAAACTGACCTGTGGACCCAAGAACTGGACTGCATGTAATAAGAAACATTCTGAAAATT
TAACAAGTGGAAAAATAACCTGCTGGGCCTCTTTGTGAACAAGCTGCTCAATGTCAACAA
GCCCCAAGGCACCACTAAATATCACAAGGTCAATTNCACTGAAATAGGGTTTTATATATT

Table 2

GTCAGATTTTTGTTTAGTTGTTTTGAAAACAGAATATTTCTATTGAATATCTTCTTT
TTCTTTTTTAAATCCATGGGTCTGGTTTTAACTGCAAACAGGACCCTTG

Sequence 3139

CCGCGGTGGCGGCCGCCGGGCAGGTACAAGGGCATGACAGGCTGGGAGGTGGCTGGTGA
TCACATTTACACAGCTGCTGGAGCCTCAGACAATGACTTCATGATTCTCACTCTGGTTGT
GCCAGGATTTAGACCTCCGCAGTCGGTGATGGCAGACACAGAGAATAAAGAGGTGGCCAG
AATCACATTTGTCTTTGAGACCCCTCTGTTCTGTGAAGTGTGAGCTCTACTTCATGGTGGG
TGTGAATTCTAGGACCAACACTCCTGTGGAGACGTGGAAAGGTTCCAAAGGCAAACAGTC
CTATACCTACATCATTGAGGAGAACACTACCACGAGCTTCACCTGGGCCCTTCAGAGGAC
CACTTTTCATTAGGCAAGCAGGAAGTACCT

Sequence 3140

CCGGGCAGGTACGCGGGTCATGGGAAGTGGCGGCCACTGCCACATCTGCTATGAGGCTCT
TCGCCATCGTTGGCTGCTGGAAATTTGGATACAGGTAAATGGTATATAAGGCTTCTTTT
GCTTGTGCACCAAGAAGTCTTTGTCCCAGCCTCCAGATCAGCAGTCAGTACCT

Sequence 3141

CTCCTATAGGCGGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTATTTATTTCTTGT
TGAATGCTGTGTGAAGTTTGTGGAGTGTGTAATTCTGTCTCTATCATTTACTAATAGAA
TATATTTTCATCAAGTGTCTTAAATATTATTAGCATATTTCTGCATAATGTATAAAATGGG
AAAGTAATTGTCTCTATTTCAAATTTATTGGAAGGATTAGATCTAATGTGCTTATATCAT
CTATTTAATAAAAATACATGTTCCCTTTATTTTTTCAGAAGAATGCCCTAGCTTTTTACC
ACATCAACAGTAGTTCAGTTTCCGAGTGAGACAAAGCAATTACTGGAAGAAGTAAAGAAA
TTTTATTACCGTCATAAACCATTGAAAACACATCTAGTAAGAAAATGAAAACCTGAATAA
GATAGGACAATAGTTGAAGNAAAGAAAAGTCTCTGGTACGCGGGGAGGTCACTTAAAG

Sequence 3142

GCGTAATACGACTACTATAGGGGCGAATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGG
GCAGGTACAAAGCAGACTGCCCGCAAATCGACCGGTGGTAAAGCACCCAGGAAGCAACTG
GCTACAAAAGCCGCTCGCAAGAGTGCGCCCTCTACTGGAGGGGTGAAGAAACCTCATCGT
TACAGGCCTGGTACTGGGAAAAGATCTAATCTGCCGTGGGCCTGTCGTGCCAGTCCTGGG
GGCGAGATCGGGGTAGAAATGCATTTTATTCTTTAAGTTACGTAAGATACAAGTTTCAG
ACAGGGTCTGAAGGACTGGA

Sequence 3143

CGGCCGAGGTACATACGAGGTTTCATTATGTTGTCCTGGCTGGTTTTGAGCTCCTGGCCT
TAAGCTATTTGCTTGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGCATGTGCCATTGAN
CCTGGCCAATAATTATTCTNAAAGATGAAAATNATAGGTATTTNTAAAATNATTTTCAG
TGGTTCCCTTAAGAGGGGTGAATCACTCTCCTCCCCTGATAACATTTGGTANTGTCTGTTG
ACAATGCNNGTGTGGGGTGTGTGGTGTCTGTC

Sequence 3144

GGCGGCCGAGGTACCAAGGAGAAGACGGAACCAAAAACAACTCTCCAAGTATATTCACA
CATTCAACAAAATTTTGCATGCCCTTCTATGTCGTAGGCATTTTTAGTTCCTGGGGATT
GGACATGGCTAAGTCAGAGAAGGCCATTGCTCACCATGAACACTGTATACCAGAAGGAGA
GTGGGGAGGAGACAAAAACAAATAAGACCACTTCAGACAATCAAAGTATCAGTTAAGAG
AATGAAAACAGGCCTGACTCAGTGGCTCACGCCGTGAATCCCAGTACCTGCCCCG

Sequence 3145

CCGCGGTGGCGGCCGCCGAGGTACTTTNTTTTTTTTTTTTTTTTTTTTGTCTTCAACTTCTC
CTTGGTTTTTCATTTCCATTCTGGGCTAATTGTCTATTAAGTCTCTTAATCTCTTCTTGT
GCTGTTCCCTGGTCTTCTCGCTGTCTCTCCATTTGCCGCATATGTGCTTGCCTTAACAATT
CCGTTGCCCTGTTGATGTTCTTGGTATTGTCGTACGGGGAGAGAGAGAGAGCCAAAGCCCCG
GGCCAGGCCAGACAACGAGCGACAGAAAAGACAGAGGCAACAGGGAGCGGGACAGAGACTC
CGAACGCAAGAAGGAGACAGAGAGAAAAGAGTGAGGGGGGGAAAGAGAAGGAGAGACTGAG

Table 2

AGACAGGGACCGAGAGCGCGACCGGGACAAAGGGAAGGACAGGGAGGGTTTTAGCTGGAG
AGAAGGGAGAAAGTGAAAGGCCGGGCC

Sequence 3146

GGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCAATGTCTTGGGGGGAGGGAG
CCAGCTGATTGTGAGATGTAAGTTTGTGATTCTGAGATAGCAGCTTTGCAAAAACTGCA
ATTTGTCAATTCACCAATATTGATAATGTGCAAGCTTGGTGAGCTGAGAATATTCTGAA
AACCTTTGTTCCCACTGCGAATTCCTGGGGACAGTTATGAGTTCCTAATGACGTCACCAC
AAAGACATTTTGGAGTGTTTGGTAAAGGCTGTTTCTTTTCAGTGATTGCTGGAAGCAGAT
GGGATCAAATAAAAAATAGAACATTGTGGGCTCCCAAGGCTGAGGTGGAGCTGGAGGATGC
CGGCCAGACTGCGGAGCAGCAGTCTTCCTTGTGCACATGCCTGAAGTCCGCGTGGGTGTT
TGAGGAAGTGGGGATACAGCATTTAATGAAAAATTTATGCTTAAGAAGTAGAAAAATGGCA
AGTCTTCCTAGATAATTTTCAATGGCCAGAATGTG

Sequence 3147

NCGGGTNGGCACCTGCCACCACGCCCGGCTGATTTTGTATTTTGTAAATTTGTATTTT
AGTAGAGACTAGGTTTCACCATGTTGGCCAGGCTGATCTGAACTCCTGACATAAGGTGA
TCCGCCACCTCCCAAAGTGCTANGATTACAGGCGCGCCAGCCCTGTTGTATTANTTTT
CTATTGCTTCCATGACAACAAATCACCACAGGCTTGGCAGTTTAAATACCACTGATTATC
TCACAATTCTCTAAGTCAGATGCCTGAN TTCAGCCAGGCCAGCTGGGTCTCTGCTCAG
TCTCATGGGGCCAGTGCTGAGGTGCTGGGTTCACCCTGGAGGCCTTCAAGCTTATGCAC
AGTTGGCTCAATTATTCCTTGCACTGTANGACTGGGTCCCN TCTTNTCATGCTNTC
CAAGTGGCCCNCTCCAGCAATGGNGGNTTGGGCAATNTNAGCCTCTAGTCNTCTGCCATG
TCTNTTCTGCCTC

Sequence 3148

CCGGNCAGGTACTTTTTTTTTTTTTTTTTTTTNGCAGAGAGACAGAGNCTCGCTCAGTG
ACCCAGACTGGAGTACTGGAGTGTGGTGGCACNGATCTCAGCTCACTGCAACCTCCGCCT
CCCAAGTTCAAGCAATTTTACTGCCTCAAGCCTCCCGAGTAGCTGGGACTACAGGTGCAC
GCCACCACGCCCGGCTAATTTCTTTTGTATTTTACTAGAGATGGGGTTTCACCATGTTGC
CCAGCTGGTCTCGAACTCCTGAGCTCAGGTAATCAGCCAGCCTCAGCCCCCTCAAAGTGCT
AGGATTACAGACGTGAGCCACTGCGCCTGACCAGGGACTGAATTTATGGAGCAGAATATC
AGATAAATATGAGAACTGCACTTTTTATTTTGAATTTATTTGCAAGATAACTGATGTTTA
AGGCAAAAACAACACTAGAGCTATAATTTGTATATTGCTGNTTATTACATAGAAGTAAAA
GGTATAATAATAACAACAACNAAAAAAAAGATGA

Sequence 3149

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTTTGAAACATTCCTGGCAGGCAATGTGTCCAA
GAGGGAGAATCTGAGACCCACTTTCTGAGGTCATCCAATCCCCTCCCATCTTATCAGGG
GTATGGTATGGCAGCTGTGGCAGAGGGATGGAGGAGAGGAGACACCAGAGGGGAAAAAAA
AACGCAATCCTGTTCACCAGNAGGTCAACAATGGAAGGAATACANAGGAGAAAGCACC
AGGAGGGTGTANCAGGCATACCCCGAGATGAAGAGGGGTTTGGGCGAAGTTGGATGTGCA
AACAACCAACCCCAACCATGACATGAAGGAGGCCACCGTGTGAGCACAGGGCCTGGAACA
ATGGGTGTAATGAGTTACTGCCACGTCAGAGAAATTGGTTGCTCCTGTTGATATGGTTTG
ACTGTGTCCCCACCCAAATCTCATCTTGAATTGTACCTCGGCCCGCTCTAGAACTAGTG

Sequence 3150

GCGGCCGAGGTACCGGTTGGGAAGGCAC TTCCCTGGTGTAACTCTGAGAATACTGCACAGA
NCCCTTCCACTTGTGGGAGGGACAAGTGGTGAAGAAAGGCCTGCCCCCCCCGAAGGAGGG
AGTGCCTTGCCCTCAACAGCACCTGGGGCTGTTCTTGCAAGACAGGGACCCCTCAATAAGT
TCTGAATGTCCACAAGTTTGCAACCCTCAGCTAGACTGGTGGGCCCCAAGGGGAGAATCAA
AGGTGAAAGGTGGACAAATGTTTGCTGGGAAGCCTGGGTTTGGG

Sequence 3151

CGCCCGGGCAGGTACATGGCCTGGGCCGTGATGATGTTGTCACCCGCATAGGAGCTCATC

Table 2

TGCCACTGCGGGATGGCGGTGCAGGCCACCAGACCCACCCAGCCCAGCAGGGCCATGGAG
AAGCCCAGCAACTGCAGGCCCGAATTGGCCATTTCCGCCCTCAGAAAACACTGGGGGCGC
CGGGCGGGGAGACCTTACAGTAAACAAACGACACTTGGGGGGCAGCCCCACAAAAGAAA
ACTTGAGGTGGAGTTTTCCGGTCACCCAAAGAGACAAAAGGGTTTGGGCCAGGTGAATG
CAAATCTTGTCACCAAACCTACACACAAATCGACCCCCCAGTGAAGCGATGGCCTCGCGG
CACAGGGAGTAGGATACGCCGGGAGGGTGGTTCCAGACAAAATTGGTGGTCCCCGAAGGC
CAGGCGGTTCCCTCCGGGCGCTCTCGGCGACCCACTGTCCCTCCGGCATCAAGGCTCCT
AACTGGAGGAAGAAACCACTGGGACCTTCCCGGTACCTCGGCCCGCCGGGCAGGTACTA
CCACAATTAGAGGAGGCCGTGACAACAGANAACACTGATGACAAGCTTCAGGCAT
TGTAAGTCTTAATACGTGCCAGTGGTTCTAAACCAAATAGAAGTTGGGCTTCCAACCTC
TTGTCTTTTCCCAAGAAAAGCATTTTGGCTTGCCCCCTANGGANGGAAGAATACACAGG
AATTGGGATTTAAATTTGCTTCCATTTTGGANCTTTGCACTTTCTGGCTTGGGTGACCTA
AAACCAAGTGAATTACCTTTTTTTT

Sequence 3152

CCGCGGTGGCGGCCCGCCCGGGCAGGTACGCGGGTTTCTAAATCTGAAGTTCCTGCTAG
TTTACCACCTTCAAGATCTTCTTGAAGTGGTAACTGATTAGGTTGAAGTTATGGAAGATT
TGTGGACTTAACTCAAAAAGTAACCTTCAGTGTTCTATAGAACATGTATTTGTGTAAGTGA
ACCTACCAGGAGAAATGTTTGGAAATCTATATGTGCAATTTTCAACAAATGCAAAAAAA
ATACAGCACATGTATTGACAAGCTTCTGTCAAGCAGCTTGAGTTGAAATTTGATTTAAGA
AAATAATCATGATTGTTCAAAGCTGCTGGGACGTTAGAATTAGGCCATGATACTGGTCT
CATTTTAACTACAGTGGGTATTTGGCACTAGTGTAAGTCTCCATATAAATCACTCTTTTG
GAACAACCAAAGGGGGAGGGAGAAAAATCACGGCCTGTTAAATGAGTACCT

Sequence 3153

CCGCGGTGGCGGCCCGGAGGTACAGTATAAACTTCACAGTGCCAATACCATGAAGAGGAG
CTCAGACAGTTCTTACCACATGATACAAGAGCCGGCTGGTGGAAAGAGTGGGGACCAGAAA
GAGAATTTGCTGAAGAGGAGAAGGAAAAAAAAAACCAAAAAAAAAAAAAATAAAAAATC
CACACACACAAAAAACCTGCGCGTGAGGGGGGAGGAAAAGCAGGGCCTTTTAAAAAGGC
AATCACAACTTTTGTGCTGCCAGGATGCCCTTGCTTTGGCTGAGAGGATTTCTGTTGGC
AAGTTGCTGGATTATAGTGAGGAGTTCCCCCAGGATCCGAGGGGCACAGCGCGGC
CCCCGACTGTCCGTCTGTGCGCTGGCCGCCCTCCCAAAGGATGTACCTGCCCG

Sequence 3154

CCGCGGTGGCGGCCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCT
GAGACTTCTGGAGAGACCATTTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAAC
AATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTTGTATCTGCAAATACGAC
TTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATC
TGCTTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTT
AGGATCTACTGGGGAGTCCGGAGGAACAGTCTCTTCTGTCCCGCTGGAACCCATGGTCC
ACTGAAGTTCCTTATGCTACATTCAGTGAATCCTATGAAATACACCAAGTGAAGNAA

Sequence 3155

CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTGGGTGGATCGCTTGA
GCCCAGGAATTCGAGACCAACCTGGGCAACATAGTGAAACCCCGTCTCTAAAAA
AAGAAAGAAAGGAGACTTTATAACAATTAATAAATTCCTCCCAAAATCATCTGTTTCA
CAGTGAGGATCTGCAGATGTCTGTCTTGTCCCATGCATATTTGTCAATTTTCTAAAAG
GTTGATTTTGGCCGGGCACGGTGGCTTATGCCTGTAATCCAGCACTTTGGGAGGCCCGA
GGTGGGCGGATCATGAGGTCAAGAGATTGAAACCATCCTGNACAACATGGGTGAAACCCC
GTCTCCACTAAAAATACCAAAAAATCAGCTTGGGCGTTGGCNGGCGCATGCCTGCCAGTT
CCCCAGGCCCACTTCNGGNAAGGCTTG

Sequence 3156

AGGTACAGCGGGTGCTGGTGGATACTGGCACAGATTGCAGCCTTGTTTATGGGAACCCGG

Table 2

ATAAGTTTCTTGGCAAACCTGCTTACATTGACAGCTATGGCAGCTGGTCAGTGAAAGTGA
AACCTGTATCTCTATACCTTGGCATCACCGTTTGGCTCCCTGCTTATGCGCTGTGTATGT
CTCTCCTGAATACATTCTGGGGGTGAGTGTTCACAAGGTTTGGCAGCTGTCTCATCTAT
CATGGATTTGATAGACTGCTCGATGATGGAATTGGAACAATACCACTATGTGGTAGACTT
GGCTAATGCATTCTTTCCAGAGAGCCAGGAATACTTTACCTTTATGGGAC

Sequence 3157

TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGGCCCGGGCAGGTACACATATGGC
CCGGGAGCTACAACAATCTATCCTGCTGCTGGGGGCTCTGACGACTGGGCTTATGACCAA
GGAATCAGATATTCCTTACCTTTGAACCTTCGAGATACAGGCAGATATGGCTTTCTCCTT
CCAGAAATCCAGATCCGGGCTACCTGCGAGGAGACCTTCCTGGCAATCAAGTATGTTGCC
AGCTACGTCTCTGGAACACCTGTACAAGACTCATAAGTCAAAGAGCCAAACTCTAACCCAG
AACACTAGTTGGCACTTGAGCTCTACTTTAAGGCATAAGTAGGATTTTCGTCAGAGAAC
CTGACCTAGGCAGAAAGGAGTGGCTTCAGCCATTTAGAGACTTCAAAACAATGAAAGTGT
TTTCAGGGAATGTANAG

Sequence 3158

CCGGGCAGGTACAGCTTAAATCCTTGAAAACCTCCCTCTTAAACTTGGAAAATGGAGAAGA
TGCTGGTGTTC AATTGTCAGACTTTTCCCTCATTATCATTGATGAATGTCATCACACCAA
CAAAGAAGCAGTGTATAATAACATCATGAGGCATTATTTGATGCAGAAGTTGAAAAACAA
TAGACTCAAGAAAGAAAACAAACCAGTGATTCCTCCTCAGATACTGGGACTAACAGC
TTCACCTGGTGTGGAGGGGCCACGAAGCAAGCCAAAGCTGAAGAACACATTTTAAACT
ATGTGCCAATCTTGATGCATTACTATTAAACTGTAAA

Sequence 3159

GGCGAATTGGAGCTCCCCGCGGTGGCGGGCCCGGGCAGGTACGCGGGTGGATTAGAAG
AATGAAATCAGATGACACCTGGCTGCAAAAATGTTTATAAGCNAATANCTTCTTACATT
TTGGTATAAAGCTGTGAACTTCGTAACCTTGTAAGCAAGATATAAAGCAAATACAAGAG
GAAAATAAAGTACCT

Sequence 3160

CGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGGCCCGGGCAGGTACAAA
CATGGTGGGCAAAGTTCAACTCAGGTAATAGTGATTAAAAACAAAACATGTAGTGGGTCA
CAACCAGACTGGTTTTCACTGTGCAACTTTCTCAGGTAATAATACCCATTCCAGAAAGA
AAGGAATATGCATCCAAGCCTTTGTTCAATAAGAAAATGCCCTTCAAACAAGTTCATCAT
AAGGCTAAAAAAAAAAAAAGAAAGAAAAAAGGATGAAGCAGTTTGGCCCAGAGAAAAGCT
TAAATATAATGTGTATACATACTTATAGATATGTTGCCATTTAAACCATGGATATAGACA
TTTGACAATTAAATGAATTGGCTCAGTAAAGTGAAAAAGTGTCTTCTATAAATATGTAG
TTATTGCTGATATGCTACACATTATGCTTTGACATGGAGATTGTAGTAACTCAGAATTTA
AAGCTGCCATATTGCCAGTGTAGCCCTGCAGTANGCCNTCCTGTGGACAACATGCCATC
CAATNCTGAANAAAAAGCNAAACCCCCCCTTAACAAAAAAAANGCTTATGCCCTGCC
TTACATTTTTGGTTTTTTTTTTTTTAAAA

Sequence 3161

CCCGCGGTGGCGGGCCCGGGCAGGTACGCGGGGAGACTAAAGCACAGCTGAACCCCTCA
AGCAGGAAGTGAAGCAAATTGTATTGAAACTGCTTCAGCTGTCGGAGATCGTTTATATG
TCTTCTTTTTCTGCATTGGTTGGGAATAAAATTGAATCTATTCCAGTAAAAGGACCAG
CCCTATCAAGAAAGAGGAAGAAGGAAGTGGATGCTACTTCACCTGCACCCCTCCACAAGCA
GCACTGTCAAACTGAAGGAGCAGAGGCAACTCCTGGAGCTCAGAAAAGAAAAAATCAA
CCAAAGAAAGGCTGGACCCAAAGGGAGTAAGGTGTCCGAGGAACAGACTCAGCCTCCCT
CTCCTGCAGGAGCCGGCATGTCCACAGCCATGGGCCC

Sequence 3162

CCGGGCAGGTACTCTTTTTTTTTTTTTTTTTTTTTTGGTAGAGACAGGGTCTCACTGTT
GCCCAGGCTGTCTCCAACCTCTGGCCTCAAGCGATCCTCCACCTCCTGCAGCTCATTCT

Table 2

TAATCTAGCCCCACCAGGCATGTAAGGCCATGGAAATTC AACAGTAGAGCCCCAGATTTA
TTTCAGAACAGATCCAGCATGGGGGCTTTGGAAGGGCAGCCAGCTCCTTAAGGGCTTC
ATTCAGGTTGTCCAGGCTCAGGTCCAGTTCATTGTCTCCTGCCTGTCAGAGGCTCCCGCC
CTTGCTAACAGCCTTTGGTCATGATGACAGGGGGCTGAGAGGGCTTGGGCTCCAAGGTTT
CCAAGGCATTGAGGGGAGAGGAGCTGGAAATGCCCTTGTGAGTTCTGTGGATCCCCA

Sequence 3163

CCGCGGTGGCGGCCGCCGGGCAGGTACATCCAGAAGCCGAGTGAGCTGGAAGGACCCCCA
GTGGGGATGGGCTATGGTTGGAGACCCTGGTATGAACCCAGTTTAGCTTGACATAGACA
CAGATGGTTCATGCAGAATATTTATAGACATGTATGTGCATGGATTAGCATTACACAC
ATTCCTTGCTCTGTGAGCTGAGAATAAAAAAGAGGATCATTACTATTACATTCTCA
TCTAGGCCCTTTAAATAGCAGCTCCAGTTGTAAACCTCTCTAAGGGGCTCTGGATTAAGT
CGTGAGAGTGATGAGGGGAAAAGGTCTTTCTCATCTCCATCTGACCTACCCATCTACCA
CCAAGCTGGACACTGACTGTCTTCGCTCCTCTCCCAGATGAGTCATTGCAACAGAAAG
CCCCAGAAAGACTCCATGAAGAATGGTAGTGAGTTTGGTGTAAGGAAAGATTAGTGAA
AATGACACTTAGTTCAATTAATATTACGGTGGAGCAACCCATGTGCAGAAAACAAGCCT
CAGCCCCAGCTGGGGCTCTCCCTGGGGNCTACNTCTTCCACTGAACCTNCNCGCGTACC
TTCGGCCCCGCTNTAANAANTAAGTGGGANTCNCCTGGGGCTGGCANGGAAATTCAATTTA
AAGCTTATTNGNAACCCGNCGACCTCGANGGGG

Sequence 3164

ATACGACTACTATAGGGCGAATTGGAGCTACCGCGGTGGCGGCCGGGCCCGTGGAGGCC
TAGGCTGGCCCTAGGACCTTCTTGGTTTGCTCCTTGGATTCCCCTTCCCACTCCAGCACC
CCAGCCAGCCTGGTACCT

Sequence 3165

CCGCGGTGGCGGCCCGAGGTACCCTGAGCATCAGCAGAGATGCTGAGATGAAATCAGGGA
ACTCCTAGGGGATGGGTCTTCTATTACCTGGGAACACCTGAGCCAGATGCCTTACGCCAC
AATGTGCATCAAGGAATGCCTCCGCTCTACGCACCGGTAGTAAACATATCCCGGTTACT
CGACAAACCCATTACCTTTCCAGATGGACGCTCCTTACCTGCAGGTCTTAAACAACTTT
TTTTTTTAAACATGCAGCTATGTTTGGATTGAAATGTCTTAACACACTCATGTCTTTAAC
AGTTATTTATCCTTAGACTCTGTGGAACCTAGGGCCATTCTTATTTCCAGAGAGGGAGA
AAGAGGAGAGAGCTCTCANGACTATCTAACAGGCACAGGATTATGCAGGTGCAAAGGTA
CCTGCCCCG

Sequence 3166

CGAGGTACCACAAGCTGTGTGTCTTTAAGCAACAGAAATTTCTTCCCTCACAGTTGCGGA
GGTCAGAGGTCAGAAAACAAGGTGTCTGCAGGACCAACCTCTCCCCTGGATGCTCTAGGT
GAGAATCTTTTCCATGCCCTTTCTCTTAGCTTCTGATGTTGCCGTCAGAACTTCAGATGGT
GTTCTTGGCTTCATTTTCTTGTAGGGGGATTCCCCTGGGTCTGTGCCACTCCTGGGTGA
ATGGTTGATCTGTCTCACTCTTCTCCGTGATCCGAAGGTCACACTATGTCACTGATGAAT
CCTTATGTGTCCACCTGGA

Sequence 3167

CGCCCCGGGCAGGTACAGCTGTTGTCCATGTGTAGAGCTTTTAATAACCAGCGCAGCAGGC
CCCTTACCTGCTTTTATGCCTGGACCAGATGACTGAATGTAGAATTTAGGCACTTTTT
TTTTTTTGGAGACGGAGTCTCGGTTTGTGCCCAGGCTGGAGTGCACTGGCGCAATCTCG
GCTCACTGCAAGCTCTGCCCCCGGGTTCACGCCATTCTCTTGCCTCAGCCTCCCAAGTA
GCTGGGACTACAGACTCCCAACCATGCCCGGCTAATTTTTATTTTTTAGTAGAGAC
AGGGTTTACCCTGTAGCCAGGATGGTCTCAATCTCCTGACCTGGTGATCCACCTGCCT
TGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCAGATCGGCCCTTTAGGCACTT
TCTACTTCTCAAGGTCAAGAAACATCC

Sequence 3168

ACTACTATAGGGGCGAATTGGGAGCTCCCCGCGGGTGGGCGGCCCGCCCGGGCAGGTACG

Table 2

CGGGGACACATTAACGCACACATCAGTTCCAGGCCCCATTCCATTCTCTGAACATCTTCT
GACACACTGACAGTGCTGAGCAGAGCAAGGTTGGGTTTCGCTCCTCTGGCAGAACCTCGGC
TCTCAGGAGGTCCTTGTTCAGGGAACAGCTGCTTCTCTGGGGCTGGGCTCTACTCCCTG
CAGCCCCTCGCACTACCCAGCTGGAACCAGGGACAACGCCTGAGTCCAACCCCTCGTGTCT
ATTTTCCAGAAAACGGGCAATGCTGTGAGAGCCATTGGAAGACTGTCTCTATGGCAATG
ATCTCAGGGCTCAATGGCAGGAAATCCTTCAACAGGGTCACCAACCAGCCCGCTCAATGC
AGAAAACTAGAATCTGAAGAAAGATGTGTCCCAAGCTT

Sequence 3169

CCGCGGTGGCGGCCCGCCCGGGCAGGTACCAACAGCTAGCGGTAGCCCTGGACTCCAGCT
ATGTAACAAACAAACAACTCAATATCAGATAGAGAAATTGAAACAACAGAACCAAGAAA
TTACGGATCAGTTGGAAGAAGAAAAGAAAGATGCCACCAAAAGCAGGGAGCCCTAAGGG
AGCAGTTACAGGTCCACATTCAGACCATAGGGATCCTCGTATCAGAGAAAGCTGAGTTAC
AGACAGCCCTGGCTCACACTCAGCATGCTGCCAGGCAGAAAGAAGGAGAGTCTTGAAGAT
CTGGCCAGCCCGCCTGCAGTATTCCTCGNGGCGTGTGGGAGAGTTGGAGCGGGCTCTCTCT
GCTGGTCTTCCACGCANCAAAAAGAGGGCAGACAAGGGTTGACGGAGCCTGGACTTCCA
TTTTCAAAACCAAAACAANCCANTCAACCGTAAAAAAAAAAAAAAAAAAAA

Sequence 3170

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTGGATCCAAAGCTTTGTTGAAAATGCTGTTTG
ATGAATTCAGTGAAGAATATAGAAAGGTGGTCAGGTAAAGTCTACTTTTATTTTGTCAAG
CTTAATAATTTGTGTCTACTTTACCCCAAGTATATATAGGCAAACCAAAACCTTATCAAA
TATTAAATTAGTTGTTTAACTTTGCTTATAAAGTATTGGCCATGTGGTGGCTCATGCCG
CTAATCCCAGCACTTTGGGAGGCTGAGACGGGCAGATCACTTGAGGTCANGAGCTTGAGA
CCAGCCTGGCCAACATGATGAAACCCTGTCTCTACTAAAAATACCAAAATTAGCCAGGT
GTGGTGGTGGGTACCTCGGCGCTCTAGAATAAGTGGATCCCCCGGGCTGCAN

Sequence 3171

CGCCCGGGCAGGTACTGAAATCAGGTCATCCCGTGGCAACACTGTGGAACCTGGAGGACA
TTATGGTAAATGAAACACACTAGGCAGGGAAAGACAAACCTCGCATCACCTCACTCATGA
GGAATCTAGGAACTTTATCTCACACAGACCTACAAAGCACCATTGTGCTTGCCAGGGT
GAAACAGANNNGCTGGGCATGGGTGGGCATAGGAAACAGGTACCT

Sequence 3172

AGGTACAAGCAGTAATTGATTCAGTGGCCTTGGACTACTTTTGGCAGGTCAGCTTGTCTC
ACATAACAGGTTGGTATATTGTATAACTATCACCATTAAATTTT

Sequence 3173

AGGTACAGATACAGTTTTTAAACCTAAAGTTACTGGTGAAACAAGCTTGCTATTACTGAG
ATGTATAATGAATGTCTTAAAGCTATAAATCCACTCATCGTTGTGTTAAGGAGGAACTG
AAGCACAATTGTGAAGAACAAGTGAATTAGGTGAATATACATTGACAAAAGGTTGATAAT
AAAGTTGTCAGAAATTTCAAAAATAATTTAGTGTGACTTGAAATCTTAAATCATGTTATA
TTAAATTAAGTAACACTTTACTGATTTAATATTTGAGTCATTTCTAAGGAAAATACTGAA
ATATCAATTGCTTAACAGAAGTTTAAATATACGTAATTTGGCATC

Sequence 3174

CGGCCGAGGTACATTTTCCCCTGTATAATTGATACCTCTTCTGTAGGATTATATTAAAT
CCTTGTAAGATCCTATTCCACAATAGCTTTTCATCCAATAGTTTATAGCATCTATTGAT
GAACGTTACCGTGAAAAATCTATGAAGTCTCTTTATGAACACTTTTAAAGCCTTTATA
AAACTATTTTCTCTTACTGTATTTTCACTTTTGTCTTAACCTAAATTTGGCCCTTTTAA
AAATCCTAAATCATATGACAGTTTGAATGGTAGCTGGTTGCTGCTAGTTTTCATGT
TTGTCCCCCAAAATCTCATGTTGAAATTTGATCCAGTGTTGGAGGGTGGGGCCTG

Sequence 3175

NANGCTCCACCGCGGTGGCGGCCGAGGTACCTTGATCTCCTGCGTGGCCTCGTCCCCCTT
GGGTTCTTAGTTCCACCGGGCAGCGGGAGTCAGGACCGCCTGTCTCAGACCCCTTNC

Table 2

GCAACCGACTTGGTGGGNCCNGGGNCCCCNGCNTCTANAAGTGGATCCCCCGGGCT
TGAAGGAATTCNATNTTAAAGCTTTNTTNGANAACCCGNNNAAACCTNNNNAAAGGGG
GGGGGGGGNCC

Sequence 3176

CTCCCCGCGGTGGCGGCCGAGGTACCACTGCGCGTAGCCACTATAGCCTTTC

Sequence 3177

CGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTGGCTGGTTTTAAGTTTATTTT
GATGGAACTTTGTATAAGAAATCTCAGATTAGACTTTTAAAAGCCTTCAAGGGTCAGAA
GTCAAAGGAGGGCGAACATCAGACTTTGGCTGCAGTATCTAAAAATCTGCATGAATTTCT
CTCTTCTTGAGGTCTCCAATATATCTGGAGGTCTCTGGCCATTTTCTGTAGGGGGATT
CCCTGGGTCTGTGCCACTCCTGGGTGAATGGCTGATCTGTCTCACTCTTCTCCGTGATCC
GAAGGTCACACTATGTCACTGATGAATCCTTATGTGTCCACCTGGATGTTCCGGT

Sequence 3178

CCGCGGTGGCGGCCCGCCCGGGCAGGTACAATCGTGTGGGAGAGCCAAGACCTCCACGGC
CTTGTGTCAAGAAATCTCCACAAAGTGACAGTGAATGATGGAGGGGGAGTTCTCAGAGTC
ATTACAGCTGGGGAGGGTGCATTGCCTCATGAATTTTGAAGGTGTGGAAGGAGTTGCA
GGTGGTTTTATATATACTATTAGGAAGGTGATGCTCTCTTACACAACCTTCATTCTCGC
CCTCAAAGACTTATTGATCATATAAGGAATCTCCATGAGGAAGATGCCTTACTGAAGGAG
GAAAGCAGCATCTATGATGATATTGTTTTGTGGATGTTGTCGACACTTATCGTAATGTT
CCTGCAAAATTATTGAACCTCTATAGATGGACTGTGGAAACAACGAGCTTCAATTTGTTG
CTGAAGACAGATGATGACTGTTACATANACCTCGAAAGCTGTATTTAATAGGATTGTCCC
AAAAGAATCTGGATGGGCCCTAATTTTTTGGTGGGGGAAATTTCAAGTGAATTGGGCAA
NTTGACCGAACC CGGAAAGTNGCCAGGAGTTGGAGTCCTCNGCCCCG

Sequence 3179

CGAGGTACTTTTTTTTTTTTTTTTTTTTTTNGCTTTTTTTTTTTTTTTTTTTTTTTT
TT
TAANTNNTTTTTTTTTTTTTTTTTTANAAAAAANGGGNCCNTTNNANAAAAAANGGA
AAAAAAAAGNANAAAAAANCCCNTTTTNNNCCCNCCNCCNNNNGNAANCCCNNT
TCCNCCNCGGGGANNGTAAAAAANGGANCCCCNNCNGAANNNAATTTNTTN
TACNATTTATTTAAGCCCCNCNCCCNNGGGGGGGCCCCNCNNNACAATTTTNCNT
TTGGNGGGGAAAAANANCNCCACATNNAAAAAAAAAAAAAAACTGNTTNNCNTNA
NAAAAAANTATNATTCTNACNAAAAATTTCAAAAAAAAAAATANACCCNCGNGAANA
AAANAGGAAAAANGCGGNGGGGGNCCNAANATNNGGAACANNNNCACCNNAATNTN
TTTTTATNGAANNCCCNACCCNATNTNTCAAGAAGNAAAAATATGGGTTCANCCC
ATTAATAANAAAAAANAAACACCNCCNCCNNNNNATAANGGGANGNTTNTATNTNTT
GGCNACNTTANTTTTTTTTTTATAAAAAAAAAA

Sequence 3180

CCGCGGTGGCGGCCGAGGTACCTGGGATTCAGAGTGACTTGCCTAAGATTACACAGCTAG
TTTATGGAAAGAACTGTACTAAAAGCTTTGTCTTTTGATTTCCACCTAATGGGGAGCTT
AAAAATAATGTCCTACCAGGTATGGTAGCTCATGTGGGAGGCTGAGGCAGGAGTATTGTG
AGGCCAGGAGTTCAGATCAGCCTGAGCAGCATAGCAAGATGCTGTCTGTACCTGCCG

Sequence 3181

CGCCCGGGCAGGTACCTAACTGGAATGAGGTACTTTTTATGGCTTATCAAATGCTTGTC
CTGGCCCGATGCGGTGGCTCATGCCTGTGATCCCAGCACTTTGAGAGGCTGAGGCAGGGC
AGATTGCATGAGCCAGGAGTTCGGGACCAGCTTGGGCAACATGGTGAAACACTGTCTCT
GCATAAGATACGGAGATTAGCTGGGCGTGGTGGCACGTTCTGCGGTCCCAGCTACTCAT
AAGGCTGAGGTGGGAGGATCTATTGAGCCCTGGAATTCGAGGATGCAGTTAATTGTGGTT
GTGTCACAGTTCACTGCAGCCTGGGTGACACTCCAGCCTGGGTGACAGAGGAGACCCCGT
CAAAAGAAAAAGTACCTCGGCCGCTCTANAAGTAAATTGGATCCCCCGGGCTGCAGGAAAT

Table 2

TCGATATCAAGCCTTATTGATACCGTCNACCCTCGAGGGGGGGGCCNGTACCCAACCTT
TTGT

Sequence 3182

GCGAATNGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTGTAG
ACAGGGTCTCAGCTTTATCACCAGGCTGGAGTGCAGTGGCATGATCTCAGCTCACTGCAGC
TTCGACTTCCTGAGCTCAAGTGATGCTCCACCTCAGCCTCCCGAGTAGCTGGGACTGCA
GGTGCCCCGCCACCACGCCTGGCTAATTTTTGTATTTTAGTAGAGACGGGATTTACCA
TGTTGTCCAGCTTGCTTTAACTCCTGACCTCATGATCCGCCCGCCTCGGCCTCCCAAAG
TGCTAGGATTACAGGTGTGAGCCACCGCGCCAGCTGAGAGCTTTTATTAGCGATTGGT
GTGAAGGATCAAAGCCCTCTCATGAGTATTGCAACATGAAGATGTTACTGAAATGAACGT
CCTAGGGGCTGCATTTAGGTACCTGCCCGGGCGGC

Sequence 3183

CCGCGGTGGCGGCCGCCGGGCAGGTACTACCTTTTATTTTTTTTTTTTTTTAGTAGA
GATAGGGTTTCACCATGTTGGCCAGGCTACTCTCAAACCTCCTGACCTCAGGCGATCCGCC
CACCTCAGCTTCCCAAAGTGATTACAGTCGTGAGCCACCACGCCTGGCTGATGTGTCAAG
TTTTAAATAAGTCTTAATATACAAAGAATTGAAATACCAATATCTACACTTAAAGCCAC
AAAAAGTCCATAAACGAGATGTGTTAATCGAGTCCCCATTAAATCAGCTTTTGTCTC
CTACTAGCTATACCTTCACTCCCCGCCTCACACTATACAAATACAGACGACAGCAATAC
TGCTAGACAATGGGGCTCCAACCAGAGTTTGTAGGAGAGTGACAAATATGACTGCCTCCA
TCAATTGAAATTACAGTTTACAAAATTAGGGACACAGGGCCCTCATGCCTGTAATTGTTT
ACAATCCAAATAGCCAGATGAATCTTTGTATTATAAAAAAATCAAAAAGTAAGGTAAATC
AAACACCAGACATTNTTCAAAA

Sequence 3184

GGAGCTCCCCGCGGTGGCGGCCGAGGTACTGAACTGCATGCCATTATGGGATGTGAAAAA
CTTGTCAGTAGGATCATCGCCAAAAATCAAAGCCATCAAAGGCATCTCCAGCATCCCCACC
AGCGAAGTAGGCATATGTTAGGCGGTACGAGAGGTCAACGTATCCAAAACGTGAATGTCA
AATCAGCACAAACAGGAAGCATCAGCAGATGTTGCTACTCCTAAGATGCCAGGGCAGTCAG
TCAGGAAGAAAACTAGGAAGGCAAAAGAAATTTCTGAAGCTTCTGAAAACATCTATTCTG
ATGTCAGAGGACTATCTCAGAACCAGCAAATACCTCAAAATTCTGTTACGCCTAGGAGAG
GAAGGAGAAAGAAAGAAAGTTAATCANGACATACTAGAAAACACCAGTTCTGTGGAACAAG
AATTACAGATCACTACAGGTAGGGAATCAAA

Sequence 3185

CCGGGCAGGTACNCGGGCGTTTGGACCTGTCTGTGCGTTCTCCTGCGTGGCAGTCCTGA
TTTCCATGCTTCTGGAGAATCCATTTCTGTTAACTGAAAGCCAGTTCTCTTTTCTGGC
AGTTTTTTTCATTTTATTTTGGCATTTTTTACAAGATACCGTTCGGGAAAGGCTTTTG
AAAGGACGGAAGCCGATTCACTTGTGCGCCAGTACCT

Sequence 3186

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTTT
TTTNAAAAAANAACC
NTTNAATTTTAANNCAATTTTNAANANNAANCAANNCNAATTTNNNTTGNA
ACCCNAGGNNNANNTNAAAAAACGTTTTNAAGGGGCCCGGGGNANGGGGAACCCNACCNT
NGNAAAAAAAACCGGGNNGGNANGGNNCCCNNAAAAAANNAANNAACCCCNNA
ANNGNNAAAAAANNCNCNTTTTNGNANNNACCCCNANGGTTTTAAAAAA

Sequence 3187

AGGTACCAACAGCACAGAGGCAGAAAACGGCAACGGCAGCAGCGGAGGAGACAATGGAGA
AGAAGGGGAAGAAGAAAGTGTCAGTGGAGCCAATGCAAAAGGCACCACAGAGACCGGAAG
GCAGGGCAAGGGCACCTCGAAGACAACAACCTCTCCAAATGGTGGGTTTGAACCTACAAC
CCCACCACAAGTCTATAGAACCCTTCCCCACCTTTTGGGAAAACCACCACCGTTGAATA
CGAGGGGGAGTACCTGCTGGAGATTTTCAAGCAACAAATGTCCTAACCTCTCCCTTCACT

Table 2

TCCTCAGGCATGCTGGGGCAACCGGACATTTTCTTTATCCCAAAGGAGAAAAAGCAAGA
ACGTGGTGGGGAATCACCTTCCCCAGGGCTGCTGGTGGTGTGGGGGAATCTACCTTCTN
CCCAACTCCATTACCTNATAGTANGCAAGGGTCCCTGCCTNCTTGGTGAACCGGCCTGGA
ATCCCCGGTCCTGANA

Sequence 3188

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTTT
TTNAAAGGNAAAA
AANNNTTTTTTAAAAAAAANCCNAAAAANTTTTNCNTNNCCCTNAAANCCAAGNNNGGT
TGGGGCNACNNNAAACGNNNGGNAATTGGGAAANGGGAACCCCNCCACNTNCNANGGAAA
NGGNNAAAAAAAGNCCCTTTNAAAAGGGNTTTGGAAACCGGGNANCCNAANCNGGNA
AANNNAANNCNTNNGGGNNGNNGNCCCNCCCAAANGNANNGNCCCNNTNNAANNNTT
ANGNCNACCNCCCCANGGGNNNTCCCNACCNAAAATAAAGGGNAAAAATNTTTAAGGNAAA
AATCNCNCGGGGCCCCACCTTTTNAANNATTTTANAAACCCCNNTTTANNCAAAGGGGAA
AAAAAAAACCCNCCNTTNCATTTTNNCCCANTTGGNAAANTAAAAAANNN
CCCTTNTGGGGGGGAAAAAATTANCNNCCNTNNCCCCCGGGNANNNCCCGG
GGGG

Sequence 3189

AGGTACAAAATAGCTCAAACATCAGGTGCCAGCAGTTCAGGGGAGGGATCTGAAAAGGC
AGCAAGGCACTAAATCAGCACCCCAACCTGGTTTTGTGTTTGTCTTAAACCTGCCAG
CACCAACTCTTCATCACCTTGTCAAATTCAAGACCATCTGGAGAGACAGTTAGGACTGA
CTTGCAATGTCTTTGTGATTCTTACCCACCCACATGGCTGTTTTCTAGGCCTCGGGCCG
GTGCTCCTTTAAAAAGTGATGCAAGCCCTATAAGTGACCANTGAGAGAAGGGACTCCTGG
GTGGCTTCATCCACACACCGNTTCCAACAGGGCCCC

Sequence 3190

AGGTACAAGACATTTTGCATGGTATTGTGGATGTTAAATTAAGTTTAGCCTAAAGCTAC
CTTCTTATAAATTCTGCCTAAAGATTTCCCTGTTTCATAGTGAAGTGGATGTGTAAACAGA
CTGGAACTACTCCTCTACCAATCGCTGAGTTTTGGCCAATCACAGGAGGCCAACTCTTC
AAATAGAGGAAAAGCCAGCTGTAACCAATCCAGCTGTTTCTGTATGTCACCTCCATTTTC
TGCAGGTCACTTTCTTTTTCTGTTTCTTTCTGACCACACGCCAGCACCAGAGTCTC
TCTCAACCCATTATGGTTTGGGGGGCTGCCTGATTCGTAATTTGTTCTTTGCTCGAT

Sequence 3191

CCGGGCAGGTACCCCTCCGCTCCCTGAGCCCAAAGAGGAGAACCCAGCCCTCTGCGTAGG
AAGAACACATTTCAAGGCATTTACTGACAAGTAGGTATAGTTACTGCATACACATGTGGA
GGCTGCATTATATCAAAACCGTAAATAACATAGACTCTGCACACTCCTTCAGGCCCCAC
CATGATTTTATGAATGGGATTGCTTCATCATTTTCTTTTAAATGTCAGTAGCAGGGAAGTC
AGAAAGCATTACCTCTAAAACGGGGACAGAACATTGCAAATACATACATTTCCAACCAGC
TGTGGCAATAACCAGCAAACAAATTACTTCACCCCGTTGTTATGGGCCCCATGCCTATG
GGATTTTCTCGAGTTT

Sequence 3192

AGGTACTTTTTTTTTTTTTTTTTTGTAGACGGAGTCTCGCTCTGTGCGCCAGGCTGGAGTG
CAGTGGTGCAATCGCGGCTCACTGCAAGCTCCGCCTCCCGGGTTCACAGCCATTCTCCTG
CCTCAGCCTCCCGAGTAGGGGGGACTACAGGCGCCCGCCGACGCTGGCTAATTTTTC
TTTTTTTGTATTCTTAGTAGAGACGGGGTTTACCAGCCCTGCTGCCTTTTAAAGCAATT
TAATACATGAGTTAAATATCATATTTAAAAATAGATTTTATTTTATTATAATTTTGA
TGAATGCATTTTGTCAAAGTTGTCAAAGTCAAGAAGTCATTATTGAGACCCTGAGGGTA
AG

Sequence 3193

AGGTACAGACGGGATTTCACTATGTTGGCCAGGCTGGTCTCAAATTCCTGACCTCGTGAC
CCACGTGCCTTGGCCTGCCAACATGCTGGGATTGCAGGTGTGAGCCACCGCGCCCGGCC

Table 2

CAACTTCTCCTAATGTTGCTATTTTGATCTTATTTTTAAATCATGAATGTTCTCAATGA
CATCTAGAATGGTGAATCCTTTCCAGTAGGTTTTCAATTATTTGCCAGATCCATCAA
GGAATCACTTTCTAGAGAAGTTATAGCTTTATGAAATATATTTTAAGTGATAAGACTTG
AAAGTTGCAATTATCTTTGATCCAAGGGCACCAGAATGAATGTTGGGTTAGTAGGCATG
AAAACAATATT

Sequence 3194

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTTTTNTNT
TTNTTTTTTTTTNTTATTATTTTTTTTTTTTTTTTTTAAANAAAAGGGCNNTTTATT
GGAAAAAGGNNAAAAAAAAAAAAAAAAATNAAAANANAANCCNNTAAATNTTAANAANNNA
AAANTTTTTNNAAGNAAANCCGNTTATNAAAAANGNAANCCGNAAAAANTAAGNGGG
NAAAGAAAAANGNNAAAAAANTTCTNCCGGGNAAAAAAAAATNCTTNNCNAANNANAA
AAAAAAN

Sequence 3195

AGGTACTGCGAGGTCACCTTCATGGATTAGCATCCTGCTGTGAGCTGAAAGACTGAACAA
GCAGAAGCATAAGCCAAACCCATCCCTCCAGCTCCCCACTGTGCAGATGGACTTACTGA
GGCTCCAGCATACACTGCTTGCTCAGCACTTTATCTATTTAGACCAAAGTGTGAGCAGA
ACTGATACCCACGGGGCATCCAAGTCCACATCCAGACCCAGTTCCTCTGCGGCCCTCTC
TAAACCGAGCCGCTGACTGCTGATGGTGAGTTCCCAATCATGGGCTGCACTGAGGGTGC
CAGAGGCCTGGGTGGGCATGAAGCCTGGTGGGTATGGAGTGAANG

Sequence 3196

CCGGGCAGGTACATTGAAGCTCTGCCCCATGTGATATGTCTGGAGACAGGACCTTTGGGG
GTGATTAGGATTTCAACGTAAGGATTTGGGGGACGCAAACCTTCAGCCACAGCAGTGC
CCTTGGTCTACCCCTTCTCTCTAGACTTCCTCCATAGGAGTTCGGCAGGCACTCCTG
GTCTTCTTTATCTTCTTGAGAAAGATGGCCCGGACAGTCCGTCCAAACACAAAGACTG
GACGCAGAGACCCGGAGAACAGCAAACGGAGATTTCAATGACAGTCTTGCAAGACTGG
GTGTCTGGCTGGCATGCAGCCACCCCC

Sequence 3197

CCGGGCAGGTACGGAGTGTTTTACCTTTTGACTTTTTTTCATGACTACAACTGTTGGA
TATTGAAAACCTTGCATTTTACCTTTTGTAATTGCCAGTCTGTGTTTTGCGTATGGAGG
AAGGAACTGTGGAANGTGCATCAGTGGAAAAANAAAAATGG

Sequence 3198

CCGCGGTGGCGGCCGCCCGGGCAGGTACCAGTTAGGATGCTTTGGCTGTAACAAAACCTA
ACTAAGAGTAGCTTAAATTAACCAAGGGTCAGCAAACCTTTGTAAAGGGCTAGATTAGG
GGTATCCAATCTTCTGGCTTCCCTGGGCCACACTGGAAGAAGAAGATTGTTTTGGGCCA
CATATGAAATACTCTAACGATAGCTGATGAGCTAAAAAAAATCACAAAAATCTCATAAT
GTTTTAAGAAAGTTTACGAATTTGTGTTGGGCCACATTCGAAGCTGTCTGGGCTGCATG
TGGCCACGGGCTGCAAGTTGGAGAAGATTGGGCTAGATAGTAAATAATTTAGGCTTTCT
G

Sequence 3199

CCGCGGTGGCGGCCGAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTT
TAAGCTCCACCTTTTCAGTGAACCTTACATTTTGGGGGATCTGCTCTTGTAAGGACA
TCCTTTCTGGTCTTTGATTCTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTA
GAAGCAGCTAGTGTGTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAGCTCT
TCAACCGGAACATCCAAGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGG
ATCACGGAGAAGAGTGAGACAGATCAACCATTACCCAGGAGTGGCACAGACCCAGGGGA
ATCCCCCTACAAGAAAATGGTGAGTGAGTGAGAGTCCCGTGGGATGCATATTTCTGCCAC
GAACCTTTGAATCCCTGGGCTCAGGAGATACCCAGCTGGGGTCTCCAGACCAAACAGA
GAGCCATGTGGGAAGTCTGGGTAGAGCTGCTTCTTANGTAGGTGTGGAGTCCCAGTACAT
TTGTTCCCTGGGTCTGCCCCGGCGGGCGGCTCTAGAACTAGGTG

Table 2

Sequence 3200

CCGCGGTGGCGGCCCGCCCGGGCAGGTACGAGAAGATCGCCTTCCAGTATGGAATAACCGA
CCTGCGCGGCATGCTCAAGCGACTCAAGCGCATGCGCAGAGAGGAGAAGAAGAGCGCAGC
TTTTGCAAAAATTCTTGATCCTGCATATCAGGTTGACAAAGGAGGCAGAGTGAGGTTTGT
TGTGGAGCTGGCAGATCCAAAGTTGGAGGTGAAATGGTATAAAAAATGGTCAAGAAATTCG
ACCCAGTACCTCGGCCGCCCGGGCAGGTACCTGAGCTCCCACTAGGGATTACCACAAG
GAAGAGTGACGGATCATGAGTGGAAGGGAGATGAGTTAATACAAATGGAAAACAGGTTTC
ATTGTAGGAAAAAGGAAAGTGAATTAATGCTTTCGAAAGAGACATTAAAGTAGATTCTG
GGCAATATGAAACT

Sequence 3201

CCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTCTTTCTTTTTTTTT
TT
AAAAAANTTTTTTTTTTAAANAAAAANGGNTTNTTTTTNNAAAAAANNNGNCCN
ANTNCNAAAAAANTNNNGGNNNCCCCCCTTNCNAAAGGNNNANNNAAANNNG
GGNNNGNNGNNGGNTTNTTTTTTNNAAAAAATNGCNTCCCCCANNTTTTTT
TTTTNAAAANCCTTNTNAAAAANNAGGNNANGAANCNTTNTTCCCCCANCANN
ANTTAAANAATTTTTAACCCCTTAAAAANNNCCCTTTTTANGGNGCCNNTNCCCNA
AACATTTNTANACATGTNTTTTTTNNANGGGNGNGGATTTTTNAAAAAGGAAAAACCCC
CCCCNCNCCCNAAAAANACAAANTGGGNCCCCCTTTTCTGGAACCCCTTACANAT
NAATAAAAAANACAGCGCNCNCNTTTAATATGTTTCTNCNNCCCANAAATNTTTTTN
GCTCTGAGANCANCAANAAAAANATTTTTGGGGGGGNNANATTANTAAAGGGGGGGCCCN
AANAACAATGTTTTCCCANAAAAA

Sequence 3202

AGAATNGGAGCTCCNCCGCGGNGGCGGCCCGGGCANGTACTTTTTTTTTTTTTTT
TTTTTNTATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAANTNATNTTT
TNAANTTTANNNNAATTTTTAAAAAACCANATNAAANANTNANGCNAATTTAGC
CAAAAGAAAAATTAANAANTTTNANNTNGAANCCAAAAANATCNAAANCTN
NTANTAAAGACCCCGNGGNNNGGNGGNACCCNACCNTGANAACCCCGNNAA
NGGNCNAAATTAATAATCCNCNAAAAANCNGANAAAAATGGTAAAAA

Sequence 3203

CCGGGCAGGTACGTTTGCTGGAAGGATGGCATGTGAGCATAAATGGCCAACCCCAATGG
AAATACACCGTNCCAGTTTCAAGAATCAACACATATGACAAGGTAGCTTAGCTACACAC
ATGANAAGCCTGAGAAAGTGTTGTTTGAAGTAGGTAGTCACCTGTACCTCGGNCGCT
CTAGAAGTAGTA

Sequence 3204

CCGGGCAGGTACTCACTTCAGCCTGGCAAAAGAGTAAGACCCTGTCTCAAAAAAGAAAA
AAAAATTGGTCATGTCTCAGACCAATTAAATCACAATGTTCAATGGTGGGATCTAGACAT
CAGAGTCTTTTTTAAAGCTCCCCAGGTGATGCTGATGTTAGCCAGTTTGAGAAGCAC
TGATCAGCACTTTC

Sequence 3205

CCGCGGTGGCGGCCCGAGGTACCCTCAGGCCTGGTGAGGAGGTCTTGGGAAGAACCTAA
TAAGCAAGGCCAAAGGCCATGGTGGCTGAGGAATGGCCTGCAGGGGGATGGGGAGTGGGC
ACATGTGGCAAATGAGGTCTGGGTTAAGACCAGACTGGGAAGGGATTTATTTGTCATACC
ATGGAGTCAGACTTTATCTTAAAGGTAACAGGGTTTCTTAATCTTGGAATTTCAAATGAC
CTGTGACTCCCAACATCTGCAAACCTCTCCCCACACACAAATGCAGATGGTTTCAGTATG
TGTGCTTCTCTGGGAAGAAGGTCCACAGCTGTCACTGAGTCCTCAATTCTTAACCCAATA
CCTGTCAAGAACCATTGCCACCGCAGGTTTCAAGAAGGATGAACATAATGCTCCGTGCACC
TTGGCTCAGCAGCACTCACATCCCAGGACCAGGATCTGCACACCTGGCCCTTTATGGAGC
AGTTCTACCTTAAAGAACAGGTGANGCCACATGCCCCACGCACCCTCAGACCCGACGG

Table 2

ACAAGGAGGTCTCANACCTCTTTTGTTCATTTGATTTGGTCACCCCAACCCACTGGCCAA
CTTCCATTTGCAAG

Sequence 3206

CCGCGGTGGCGGCCCGCCCGGGCAGGTACACATATGGTATAACAACATAAACTGACTTG
GAAGCGATTCTCAGCAGTGCCCCATTGATCTGCCCTGCCAAGTGACTGGCTGCCAGTGC
AGGGCTTACCTTTATGTCCCTTGAATGGTAGCCAGCCCATTTTCTGCAANGTGCAAAC
ACTTTGCTGATCANGCACAGTGCTGCGCTGGCTTTACATGCAATACATGTTCCAAGTGT
TCAGGATTCCATAGCTGCTTCACTTGTGCTTGTGGTCAGCCTGCATATGCCCATGACACA
GTAGTGGAAGTAAGCAAGGAAAGATTGGCTCAGGAAAAACCAGTGGGTACAGGNACATT
CCTTATGCAGCCATGGGGAGGGATTAAGTGGTTTCAGCCTCGCTTGGGCCGNGAAGGCT

Sequence 3207

AGCTCCACCCGCGGTGGCGGCCCGCCCGGGCAGGTACGCGNGTGGCTCATGCCTTTCAAG
ACACTGNITCTTCTTNCCACTCCAGTTCTCGCCACCCCTCCCTTNCAGGGCCCTGTA
TGCTGANGTGTCTTTGGAGGCAGCGGTNGCACTGATCCAGGCNGGCAGAGCCCAAGATG
CCTTNACTCTATGTGAGGAGTTGCTCAGNCNCACATCATCTCTGCTACCCAAGATGTCCC
GGCTGTGGGAAGATGCCANAAAAGGAACCAAGGAAGTCCATACTGCCACTCTGGGTCTN
TGCCACCCACCTGCTCAGGGCCAGGCCTGGGTCAACTTGGGTGCCC

Sequence 3208

CGCCCGGGCAGGTACAAAGGTGCAATCTCGGCTCACCACAACCTCCGCCTCTTGGGTCA
AGCAATTCCTGCCTCAGCCTCCTGAGCAGCTGGGATTACAGGCATGTGCCACCACGCC
TGGCTAACTTTTCTGTATTTTCAGTAGAGACTGGGTCTTCCATGTTGGTCAGGCTGGTC
TCAAACCTCCCGACCTCAGGTGATCCGCCACCTCGGCCTCCCAAAGTGCTGGGATTACAG
GCAGGAGCCACCACGCCCGGCCAGGAAGCCATTTTCATGGGAGGGATATAGGGAGAGGA
AGGCGATATTTACATCCCACTCTGCACAACTCAAGTACCTCGGGCCGCTCTA

Sequence 3209

GCGAATTGGTTTTCCANCTGTGNCGGCCGCCCGGGCAGGTACGCGNTTNAGCATATATTG
GNGGATTTTTGTCCATATTTATCTGCTTTAAGAATTAACGAAAGCAGNGTCANNACAGT
AAGGATTCAAACCATTTGCCAAAAATGAGTCTAAGTGCAATTTACTCTCTTCTGTCATTG
ATTGGTGGTACCTCGGCCGAGGTACACAGGGAAAACTCAGACACAGATTGACGAAAATG
GGAAACAGAAATTTAGGCCTAGGGGACAAAGGAAAGAGGGAGCCAAAGAGACTCCCTCT
GACGTTCCCCCGGATAGTCTTTAAGGAGAATGCTGCAGGTTTGGAGGGACAACCTTGA
ACCAGGGACAAGGAAAAGGAAAAGATGATAAAGTATTGCTGNTTACCTGGCCCAAAGAC
CCGATTCGCAAGCCTTCAAGTCTTTTGATTTAAGTTTGGCTCAGATGAAGAACTGGGGTG
TGCCAAGCTTTAATTCTCTATGTNAATGATAAAACCCCATTTAGGCCAGGGCGCGGNGG
GCTTACGCCCCTGGTNCCANCACTTTGGGANGCCCAAGGTGGGTGGGATCACGAAGTCAG
GGAGAACCGANAACATCCTGGCTAACACAATGAAAACCCCATCTTTACTAAAAAATNCA
AA

Sequence 3210

NCGGAGCTCCCCGNGGTGGCGGCCGANGTACTCACTGCTNGGCGATAGGTGATTGTCTCA
CCGCTCAGCTATAGGCTANGGTNTCAACCACTCGGTGATAGGCGATTGTCCCATCTANGTC
GCCAAAATGTGTCTGGAATNGGTGGGTCTTCGNTNACTGACTTCA

Sequence 3211

CCGGGCAGGTACCAGCAGAAACCAGGACAGCCTCCTAAGCTGCTCATTTACTGGGCATCT
ACCCGGGAATCCGGGGTCCCTGACCGA

Sequence 3212

CCGCGGTGGCGGCCCGCCCGGTGAGGTACTGTCCNTTACCTGACAGTAATNNTCGGCCTCA
TCCTCGGCTTCGACCCCTACTGATGGTNAGGGTGGCCGTGTTCCAGAGTTGGAGCCAGAG
ATTCGCTCAGGGATCCCTGAGGGCCGGTCGCTGTATCAAAAGACGGCCAATGTAGGGAC

Table 2

CTGGCCTGGCTTCTGCTGATACCACTGACACTTTTACTTTCAATATTGTCTCCCCACA
GGAAATCCTGGCCGTCTGTCCCGGGGCCACTGACACCGAGGGTGGCTGAGTCAGGACATA
GGAGGTCACAGAGTCTGTGCAGTGAGGAGAGGAGGCCCGAGGGAGGAGAAAACGGTCCAAG
CCATGGCTGGAAGCACCACCAGTGGCTGCTTTTNTTAAGGCC

Sequence 3213

ATACGACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACT
GATTTCACTCACTGTATCACATCTTAGCTTCTCTGCTAGTCTCTTGGCTTGAAGTTG
AATATCTGGTCTTGAATGGTCATTGTCTTTTCCAATAAAGAATCCACAGAAAGCTGAAA
ATCAGCTACTTCTCTTTTGGGAAAATTGGGAACCTGCANATATTGATGTGATCAAGTT
TTCTGGTGGAAAGATTCAACACTCTGGAAAGCTGGCAAGCAATAGCGCGCGGAAAGCCGCN
CGCCATGTCCACCTNTACGGAAGTGCGCCGCCCGCGCTACCT

Sequence 3214

NCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTCAGAAGTGTC
TGGAATGGGGCCCATGAGATGGTTGTCTGAGAGAGAGCTTCTTGCTCTCTTTTCCCT
CCAATCAGGGGCTCGCTCTTCTGATTATCTTCAGGGCAATGACATAAATTGTATATTCG
GTTCCCGGTTCCAGGCCAGTAANTAGTAAGCCCTCTGTGACACCAGGGCGGGCCGAGG
GACCACTTCTCTGGGAGGAGACCCAGGCTTCTCATACTTGATGATGTAGCCGTAATCCT
GGCACGTGGCGGCTGCCATGATACCAGCAAGGAATTGGGTGTGGTGGCCAGGAAACGCCA
GGTTGGATGGTGCATCAATGGGCAGTGAAGGGCGTTCGATGACCCAACAGGGGGGAGCT
CCCGAAGCATTGTCATTCAA

Sequence 3215

GANCTCCACGCGGTGGCGGCCGCCCGGNCAGGTACCTGGCTTGCCTCCCTTNTTGA
GATGACTAAGGAAAATTATCTTCAGATCTGGTTTTGTGTGTGTGTGTGTGTGTGTGTG
TGTGTGTGTGTGTGAATCCCTGNATATNTATAGTTTACCAGTTAAATTTGATTTNAAA
NNCANTTTATTATNGGACATATTATAANTTTTTCANNAAAAATTTAANAATTTGGGATA
TTTGGTGNTTTTAAAAAAAATNNTNGNCAANAATTAATTTTTNTGTAAAAAATAA
ATNTAAAAAGGNGNTTTTNTTTTATAACNTGNATTATAAGGGGCNNAATAAAAAATTT
TTNTNAAGTTAATAA

Sequence 3216

CACGCTGGTTTTGCATCTTCAGGAGACGCTCGTAGCCCTCGCGCTTCTCCTCGGCCAATT
CGCGGAAGAAGTGGCTCACGCTTCCAGAGCCACATCATCGCGGTGAAATAGAAGCCCA
GAGAGAGGTAGGTGTAGGAGGCCTGCAGGTACCTCGGC

Sequence 3217

TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGCCTCGACCTTTTTT
CAGCTCATCTCGGAACATATACAGAGTTGAGAGTTTTAGACAATCTCTAGGTAGAGGAGA
CAAGATGTAGACCCAGACAGAAGAAATCTGCTTCCCTACCATGGCTATTCCAGCACCCCA
ACCTGTAATTTGCCAAGTCTCTAAGGTACCTTGCCCCGGGCGGC

Sequence 3218

TNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTCAGTATT
TCAAATCAGAACANAAGATTGGAACTTTTGGAAAAATGGGTCAAGCTTTCCTATTAGCC
ATGGAAATGCAAAGTTTAGCAGAAGCAAGCAATTAGGCAGAGAACAAAAATGTTAAGCAT
GGTGTGTCTATCTTATTGAAGTGGTTGGAAATGAAAGCTTTTAATTTGATAGATTTATC
AGTATAAAATTAGGGAAACACGTGTGGGAATGAATCAATTTAGAGCTTCGGGAATTGT
GAGGTGACTTTTGTAACTTTTGTCTGTGTGTGACCTGTGAACCACTAGGGATGTGATCT
GCCCTTGTGGGCAGGTCCCAGCCATAGTTAGGGAGTTAAGGGCTTAGCATTAAATTTCT
TTAGCTGGTATCT

Sequence 3219

TCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCACCTCCAAGTGGAGTG
AGCCACGCTACCACTAACACTGAACTCAAGCACAAGAGCTCCTGCGAAAGCAGAGGGGCG

Table 2

GGAAACAAAGAAGCGGGTGGTTAAGGGCACGAACCGCACACTGCGGGACGCCGGCATCTT
TGAATTCGCCCACTTCACTCCTACAGAGCCAACTGCAAAACAACAGAAATTAAGTTA
CTCTCCCCAATCAAAGACCTGGAGGAATAAATCGTGAGTGAAGACCTGTCAAGCAAAGG
TTGAGAGGTGATGGAGTGGTATGGGAGTGGTAAACACAGTGTGAAATCGTCAGCACCT
TCCCACCCAGCCACGTGGAGTTTCTCAAGGGCTGAGGGCGGGAGCCAGAAGTTGGGCAG
GGAATCCCCGCGTACCTCGGC

Sequence 3220

TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACTAAAAATAC
AAAATTTAGCTGAGTGTGGTGGCAGGCGCCTGTAATCCAGCTACTCGGGAGGCTGAGGCA
GGAGAATCACTTGAACCCAGGAGGTGGAGGTTGTAGTGAGCCGAGATCACGTCACTGCAT
TTCAGCCTGAGCGACAGAGTGAAACTGTCTCAAAAAAGAGAGACTTCCGGGACAGTCATT
ATCAGATAGGCCCAAGCCTGTGATTTTCTTGGGCAAGATTGGTGTTTACTTAGGGGTG
CTTTAAAAATATATTTTTACAAGTATACTTGTAGGAAGTTGGTTTTTATTTTCTATTTT
TGTTTGTTTTGGGAGTTTGGTTTAAACGACTCTTTTATTTTCTGGTTTGGCCCTTATC
TACTAAAAG

Sequence 3221

TAGGGCNTATTGGAGCTCCCCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGA
CTTGAAAGGTNACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGAC
AAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCT
CTTGATCTGCAAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCTCT
GAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCTGGACAA
GAGACAAGGAGAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTG
CCGCTGGAACCCATGGTCCACTGAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGAA
ATACACCACTGAGAAATTCCTTGAATTTG

Sequence 3222

CCGGGCAGGTACAAAGAAGCAAAATATAGGAATATGAGTAGGTAAAGGGTGTGGGCGAG
TGTGTGGATGTCAGGGAGTAGACAATGTTTAAGTTACATAATCCCTGGATGTCATAGCTG
CTTTAAAAATTTCCCCACAGAAGCATAATTTCTTTAGCAAATTAGAACTGAATTATTTTA
TTATAAAAGGTATGATAATCATGCTATAGAAATTTTGGAAAATAGAAAAAAATTAACCT
ATAATCTCGCCTTAACACAGCCACTGTTTCTTTTGTGTATGTTTTGTTTTTGTAGGT
TGAATATGCACTATTAACATTAGAATTCTAACAGAAGGATTTGTCAAATTAAGCATATT
ATTTCCATCTTTTGTAAATGGGATTGCATTAGAGCTTGTTGTCATTTTTTAAAC

Sequence 3223

CCGCGGTGGCGGCCCGCACCCGGCAACCGCTAGGGTGCATGGAGACACATTAGGTTACATA
ACCCTTACCGTGTTTCGAAACCCCTTTCTTGATCGTGTGGGTGGCTCTGAAAAGAGCCTTT
GGGTTCAGGACGCCGAGGAACGCCTCACTTGGAGCTGGTGTACCT

Sequence 3224

CCGCGGTGGCGGCCCGCCGGGCAGGTACCACAGGAAGCCGCCTAGTGCAGAGAGGTTGTG
AAAACAGCAGCAATGCAATGTGGAAATTGTAGCGTTTCTTTCTTCCCTCATGTTCTCAT
GTTTGTGCATGTATTAATGATTTACAAGACTAACCTTTGTTCCGTATATAAAGTTTAC
CACCCGTTGNTGTTTTACACCTTTTGGGGAAGCCAGGGAAAGCGTTTTTGGAAAACCG
TATCACCTTTTCCANATTCTCGGATTCTCAGACTCTTGCAACAGCACTTTGCTTGCGGG
NANTCTTNTGGAATGCATTTNACTANANCATCCCCAACCCGTTGCAAANGTGTANACTT
GNTGCTTTTGCAAAGTAANTTTGATCTAGAAATTCCTNCTGTAAGAAATTTAAG

Sequence 3225

AGGTACGCGGNGAGGCATTGAGGCAGCCAGCGCAGGGGCTTCTGCTGAGGGGGCAGGCGG
AGCTTGAGGAAACCGCAGATAAGTTTTTCTCTTTGAAAGATAGAGATTAATACAATA
CTTAAAAATATAGTCAAATAGGTTACTAAAGATATTTGCTTANCCGTTAAAGTTTTTT
AAACCGTAAATNTTAAATAGGCTNTTAAGGANTTTTTTAANAGGAAGGAAAAATTAAT

Table 2

GGAA

Sequence 3226

CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAATGTNAAGGCTGT
AACAAAGTTGTAGAGGCTTTTTCCAGACATTCTATGCAATGTTCTCCACAGTAAATACCT
GGGGGCAGCCAAGAGGGAAGATTTCAGATAAGTGCAAACAGTGATTGGATGTTATCTACC
TACANTCCCTTTAAGACATTTTTGAGANAACNTGTTTAAATGTTTGNNTAACTCTCCCA
CCCCGACCAATGAATTCCTTACGGACCAGCAGTGCCCTGGGANACTGAGTNATGAAAACA
TCCTGTNAAGCTTTCANGACCTTTGGGCAGATGGGACTCTGCATACCCGTGGGAGCACAA
AGGACTAANAAAGCTGCCAGGTAACCGTTNTTTGGGTNAACCCCGAAGAACCAACAACCC
TTGGGCCACCAGGGATTAACTTTGGCCAAAAATTTT

Sequence 3227

CCGCGGTGGCGGCCGAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTT
TGAGCTCCCACCTTTTTCAGTGAACCTTTACATTTTGGGGGATCTGCTCTTGTAAGGACA
TCCTTTCTGGTCTTTGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACT
AGAAGCAGCTAGTGTGTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAAGACACTAGCT
CTTCAACCGGAACATCCAGGTGGACACATAAGGATTTCATCAGTGACATAGTGTGACCTTC
GGATCACGGAGAAGAGTGGGACAGATCAACCATTCACCCAGGAGTGGCACAGACCCAGGG
GAATCCCCCTACAAGAAAATGGTGAGTGAGTGAAGAGTCCCGTGGGATG

Sequence 3228

ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAAATTTTATTTAA
GGTCTTTAGAGAGCAACATCCAGACTCCAGAATACAGCTGCCAAGGAGACCCTGAAACCA
AATAAGCACAAAAGTAAGAACTTTACCAGAGTTATTAAGTTCCTGATTACCAAATGG
ATACACACCCGCGTACCTGCCCG

Sequence 3229

AGGTACTTT
TTNCCCNA
NGGNAAAAAAAAANCCCTTTTTTTTTNNGGNAAANNAAAAAAAAAANCCNNNNANNATTNGGA
AAAAAAAAAAAAAAAAATNNTNNNCCCCNANCCCCAAAAAAAAANNNNAANNAAAAAAAAAATN
GGNNNGGCCNNNNCCCCCAAAAAAAAAAAAAAAAAATTTTTTTNAAAAA

Sequence 3230

AGTCCACCGCGGTGGCGGCCGAGGTACTATTTTTATTTTGCTATATTNGGGTTACTAAT
ATTTTGCTTAAATTTTTTCATCTAAGTTTGAGAAATTTGCCTGTAATTTCCATTCTTGT
AAAGCTCTTGTGAGGTTTTGGAACATGTTTATGTTGACCTTATTAAGTATGTTGATGGC
GTTTTCTTATGTTCCCAAGATGATGTTGCAAAGTTTTCTGTTATTTCTTCCTTATATTT
GGTCCATTTTATAAGTAAACTTTGAGTTCATAGAGATTTGAAAAAAATAGCTTAAATA
GGCTGGGTGTGGAGGCTCATGCCTGTAAGCTCAGCACTTTGGGAGGCCGAGGCAGGTGGA
TCACCTAAGGCCAGGAGTTCGAGACCAG

Sequence 3231

GGAGCTCCCCGCGGTGGCGGCCGAGGTAACAGGTATCCTTAATGACTATTCTTTTCTTT
TTTTGCAATCTGCACTAGGTATAGATTTAGATCGGATCCATTTGAAATTATATTTTGAG
GAGCACAGAGCAGAGATAGTGATCAACTNATTTAACCTTTTGAAATGATAGTGAGGTATT
TTNATAGNGTTAGAAAAGGAAAATTTTCTTAATATGAAAAATCATCTTAAGAAAACTAA
CTCAAAGTTCAGCAAATTTATACATCANATGTATGAAACATACTAGATTTCTTTTGCTG
AAATAATCAGTGCAAGATGAAGAAAATGTGCTACTAGGAGGTGTTTTTCCCAATAAT
GTTGTGTGCCCTGTTTTTTTTATTTTCCCTATTGGGCTTCATTTTCANTCCTNNGCCTTGT
ATTGTTATTTAAATTTTATTTCTAATTACCTGGGGGGGA

Sequence 3232

GGTACAATTACTCTATTTGGAATTTAGTAAGGAGCAAACAGCACAGGAGTGTTGGGCGGT
CCGAATGGGTCCGGGAGCTGGCCGCAGGAGTGCCGGAGGAAGCGCAGAAGTCTGGAACAG

Table 2

TGTTGCTGCTGGAGCAAGTCNAAGACTGAAAGGGGGAAGTCACTGCCACTTGCTTGCTGC
CGGCTGCTGCAAGCTGCTAGAGGGTTTTGGTATGAATTCGTTGGAGCCAATGGCTTTGAA
AGGTTCTTTTAAAAATACTAATTTTACCCCCAGTGGGATGTGCCTGTCTTCTGTAAGTT
TGTTGTAACGGACTGTATTTAGGTTTCGGGG

Sequence 3233

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTACAAGAAAACCAAAAGAAGCCAAA
AAGTGTCCAATTTCTTTATATACTCTAGGTTTTATTTTGGATGAAGATTATTTATTTAG
CTCCCCACCCTTCACTCCCATTAAAAATTGCACCTCAGCTTCATGGACCTGAGATTTCAC
TTGGTATACTGGAAAAACCTTTTGGCAAGAGGGACGGGTTTTGTGGAAGACAATTTTC.
CACAGGGGGTGGGCGGGGAATGGTTTCGGGATAAAAACTGTTCCACCTGGGATTAGATTTT
NTTAAGGAGCACCACCTAGATCCCTNCTTGCAAGCGCAATTCACAATANAGTTCACGTCC
CCATGAGAATNNTANATGCCNCTTGCCAGGTGCTAATGCTTGG

Sequence 3234

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTAGGTTTACTTCTGCTTCATATT
GCTATCTTCACTCTTATTTTAAACAATTTCTTATGTTAAATTCCTAGCCCATCTTTTCC
AATAATTTANCTTCAGTTGTTTCACTGTGCGCTTTTTTAAATACTGTATTTACTTCTCC
AGCATCTAGTTACTTTTGTCTGAGTCCAAATTCCTGCAGGTGTCACCCCTCAGCANA
GAATCTCAGGCACCCANAAGAACTACGGAACAGTTTGCTTTCCCTGTAATAAGCATTAGG
TCAGAATTTCAAATTCAAATTTGAAGAAAGGAGTAGCATGGAAA

Sequence 3235

CCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTNTTTNNNTTGG
GACGGAGTTTCGCTCTTGTTGCCAGGCTGGAGTGCAATAGCACGATCTCAGCTCACTGC
AACCTCCGCTCCTGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGAGTAGCTGANATT
ACAAGCATGTGCCACCAGGCCCGGCTAATTTTACTTTTAGTAGAGATGGGGTTTCTCC
ATGTTGGTCAGGCTGGTCTCGAACTCTTGACCTCAGGTGATCCACCCACTTTGGCCTCCC
AAAGTGTAGGATTACAGGCGTGAGCCACTGTGCTGGCTGGTTTTATTTTAATTGTTAA
TAACCAACTATACAGTAAATGATTTATAAAATAAATACTGTTAATACTTGAGTTGAAAGA
GAAAAAATGTGTGTGTGTGCTGAGTTTATGGGTGCCTTAATCTCACCATGTTAAAAAGTG
ACCGTTAATTTAATGATCCCTGATAACTAAATCATGTTAAC

Sequence 3236

ACTATAGGGCGAATTGGAGCTCNC CGGTGGCGGCCGCCGNGCANGTACCACCATNGCT
CGATGTATGTNCACAGTTCATACACAGGCACCATGAAGANTCCCACTNTACCACAACCTTC
TCCTGTGGGTGAAAAGGAAAGCAGGAGGACTTCAAAGCTTTCATGACTGGGGACCCCTGC
AAGTCATTGCTGCCCTTTCANACACTNTCANCCTTGTCTACTAAAAACGCTGTANTCTTC
ACCAAGTGTGACCTNAGCTGATGGAACCTGAGTCTAACTGCTGCCCACTCCTGGAG
CTGGAACAGCCACTGTGTCTTCAGAGAAGAAGCTACCACACCCACCCAGTTGGTGGCTT
CATACCTNNCCATANGTGAGGTCTTTNCTTACTGAAGCCAGTACCTTGCCGCTCTAGAA
CTAGTG

Sequence 3237

CCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTGTGACTGACTTTTTTCATTTAGCCT
AATGTCCTCAAGGGTCATGCGTGTGTATTCTATGTCACAGTTACCTACCTTTTAAGGC
TAAATAATATCACCGTGTGTGTGTGTGTATACATATATATACCCTGCAGTTTGAGAAT
TGTGCATATACATATATATACATTTTAAATTCATTTTTTAATCAATGGACACAT
GGGTTGCATCTACATTTTAGCTATTGTGAATATGGCTGCCATAAACATGGATATACAAAT
ATCTCCTTCAGAGTGTCTTTTCACTAATCCTGGGTATATACTCAGAAGTGAAATTGCTGA
CTCATATGGTAATTCTATTTTATATTTTGAAGAAATCACATATTGTTTTTCAACACAGT
TATATCATTTTACATTTCAACAACACAAAAGTTCCAGTATCTCTACATCCCTGCCAATAC
TTGTTATTTCTGGCTTGGCATTGTTCAATAGTGGCCCTTCTAGGCCCTAGGTCTGGA
TGATATTTCTAGGCACAACCTGTGCCAGAAGGGAATCTGCTGCCTTGAAGGG

Table 2

Sequence 3238

CGCCCGGGCAGGTACCAACAGAATCCTGGCCAGGCTCCCAGGCTCCTCATCTATGATGCA
TCCAACAGGGCC

Sequence 3239

CCGGGCAGGTACGCGGGCTTGCCTGCACTGGAAACAGTAGATGCTCTTCAGGCTCTGTG
CCCCAACAGTTTCTGCGCATCCCTTCTCATCCAGCCTCTCACTGGGGGGCTGGCGTCAT
TATCCCATTTCGAGCTCTGGAAATGGAGTCTGCACAAGTCTCGCTGCCTTTTCCCTG
CCTACAGTACCACTATGGTATCCTAACACGCCACCCACTCTAGTGCCCTTTAGGCTATT
TATTTATTTATTTATTTATTTTGTAGACTGTGTTCCGAAAAAAAAAAAAAAAAAAAAA
AAAAGTACCT

Sequence 3240

CCGGGCAGGTACTCGCAAAATATGCTGGAACTTTTAGGGATCACTAGAGACATGGCTGC
AGCACAAGCGGCGGCGTGTAGGCCCTCTGTGGAAGAGCCCCGCGTACTATTAGGACTCCA
ATTGTCAATACCACTCCTCAGGACCTTTCCTAATTTCTACCTAGCACCTCAATACTCTC
TAGGAAACTGCAATCTGACAAAGGGTTTGAACATGTATGCAATCCTCATCTTTTCCCT
CCTCTCTGTCTGTCAATTCATTGTTTCAATTAATTTAGTTGAGTCAAATACTTGCCGAGA
CAGGCAAAAGATATGTTAGGAACAAAGCTTTTCTATCTTATTTCTTATCTTAATCTTC
T

Sequence 3241

AGGTACACAAGGGTTGGCCTGAGTCCCTGTGTTGTGAAAGTTGGCCTACAAAATGAGTCC
ACAGGGACTGTCATGGGTTTTGAGTTTATGGAGTTTGTNCATTGCTGGAGTCTACTGGG
ATGAGCCTTGGTCTGCTGAGCAGGTATGGAACCTGAGTCTGGGGAAGTGTGGGGCCATAN
AGGTCAGACTGAAGGGTAGGGTTATGGGGACTAGCCTATTACCTGCCCG

Sequence 3242

CCGGGCAGGTACTAAAAAGTGTTCCTAACAGCACAGGTTGTAATACTCCTAAACTGGAAA
GTAGCTAGATACTAAAAATAGTAGAATGGACAAAGGTAGCAGAGCGCGGTGGCTCGTGC
CTGCCTCGACCTCCCAAAGTGTCTGGGATTACAGGTGTGAGTCAACCGCAGCCAGCCAAAGT
TAGATTTTTCCGATTCAGTTCTTAATTCCTTCCAGGAACTAGACTGCGCCCGGCCAG
CCCTGTTGTCTTTCAAAGAACCTCGGCCCCAGTGATGGCTGATCTCACTCCCACTGTCTC
GTAGAATTACACTCCTTCCTGAGGATCCCTCTCCTGCAGCCTTGTCCTTGGGGAGTAC

Sequence 3243

AGGTACGCGGGTGCTTACTTTGTATTTCTAATTTTAGGATTACAAATTTAGCTGGAGAAC
TATTTTTTAACCTGTTGCACCTAAACATGATTGAGCTAGAAGACAGTTTACCATATGCA
TGCAATTTCTCTGAGTTATATTTTAAATCTATACATTTCTCCTAAATATGGAGGAAATC
ACTGGCATCAAATGCCAGTCTCAGACGGAAGACCTAAAGCCATTTCTGGCCTGGAGCTA
CTTGGCTTTGTGACCTATGGTGAGGCATAAGTGCTCTGAGTTTGTGTTGCCTCTTTTGTA
AAATGAGGGTTTGACTTAATCAGTGATTTTCATAGCTTAAATTTTTTTGAAGAACAGAA
CTTTTTTAAAAACAGTT

Sequence 3244

AGGTCATTGGTTTTTAGAAACGATGCTGAATACATAGGAGCAATCCCTGAGACCAGATAT
TCACTTCAGCAGGGCTCTGTGTTCTCCTCTGGCTATGTGAGACGAGAAGTCAACCCGAT
CATGGCTTTCGATATCCACACATGTTACANTTCGAAAGGGGTCACGGAAGCCC

Sequence 3245

AGGTACCTTTTCGGGCTCCTGACTCCTGCCGTTCTCTTCCCCTTCCGTGGGTACAGGGCCG
GTCCGGTCCGGAACCTGCAGCCCTTTCCAGTGTTCTAGTTGCCCCGTGACCCGGAATA
ATGAGCAAGGAGGGTGTGGTGGGTTGAAAGCCATCCTACTTTACTCCCGAGTTAGAGCAT
GGATTCAGTTTTAGTCTTAAGGGGGGAAGTGAGGTTGGAGATTTTTATTTTAAATTTTG
GCAGAAGCAGGTTGACTCTAGGGATCTCCAGAGCGAGAGGATTTAACTTNATGTTGCTCC
CGTGTGTTGAAGGAAGACAATAAAANTCCCACCCGGGCAAAATTTTCNTA

Table 2

Sequence 3246

CCGGGCAGGTACCTGGTGCTGGGAAAGAGTTGACTAGGCCAGCATCCCTTTCCTCAAAGG
GTGGGGCTCCTAGACTGGGGGGAGGGCTGGACATCTGAATACA

Sequence 3247

CCGGGCAGGTACCCTTGTGTGTGAGGTTCTAGTAATTGGGTTGTTTCCCAACTTAGGAA
TGATCCAGGCCCTGGGAGGCTTCTTTACTTACTTTGTGATTCTGGCTGAGAACGGCTTCC
TCCCAATTCACCTGTTGGGCCTCCGAGTGGACTGGGATGACCGCTGGATCAACGATGTGG
AAGACAGCTACGGGCAGCAGTGGGTGAGTGGGCACCTCTGACCTGACCAGTGTGAGAGCT
CCTCAAGCCCCAGAAGACTGAGGCCACACTGCCACCAGCCATGCAGGTGAAGAGCCAGAG
CTCATCTTCTGTCTTCTGCATTTACANACCTATGAGCAGAGGAAAAATCGTGGAG

Sequence 3248

AGGTACAGATACAGTTTTTAAACCTAAAGTTACTGGTGAAACAAGCTTGCTATTACTGAG
ATGTATAATGAATGTCTTAAAGCTATAAATCCACTCATCGTTGTGTTAAGGAGGAACTG
AAGCACAATTGTTAAGAACAAGTGAATTAGGTGAATATACATTTGACAAAAGGTTGATAA
TAAAGTTGTCAGAATTTCAAAAATAATTTAAGTGTGACTTTGGAATCTTAAATCATGTT
ATATTAAATTAANGTAACACTTTACTGATTTAATATTTGAGTCATTTCTTAAGGAAAATA
CTGAAATATCAATTGCTTAACAGAAGTT

Sequence 3249

CCGGGCAGGTACGCGGGATAGCAAGGACTAACCCCTATACCTTCTGCATAATGAATTAAC
TAGAAACCAAAAAAAAA
AAAAAAAAAAAAAAAAAGNTCCNTNGNCCGCCCGGNCNGGTNCNTTTNTNCANTGNAAAANTA
GGNANNTGTAAAAANANTNNCAATGGTNTTTNTNAAAATNAAANTNCNTTNAANATNTNT
TGTAANNNNANTAAAAANGGGTNAAAANTAAANTTTGTAAAATTAAANTNTAAATNG
NTAAAAAANTTNAAAAATA

Sequence 3250

AGGTACAGGAGCTAATGATCACGACAAAATCTTTAGCTACCATTTGTAATACTTTCCTGT
TGATGCTCTTGTAAGTTACCATAAACTTAGTGGCTTAAACAACAGAAATTTCTTTTCTT
ACTATTCAGAATTCAGAAGTTTAAATTTGGTTTTACTAGGCCAAAATCAAGCTGTCAAC
AGACATGCATTCCTTCTGGAGGTTCTAGGGGAAAATCCGTTTCCTTTCCATTTTGTCTC
TAGAAGCTGGTTGCATTCATTGGCTTATGACCCCTTCCCATCTTCAAAGCCAGCAGAA
TAGCATTTTAAATCTAAATCACATCCTCTGACTCCCTGCTTTCATCTT

Sequence 3251

AGGTACTCTAAGGTGATTACAGGAATATGGGGCAGGCCCTTTCCATCTGGAAAGTTTCAT
GAGTTGAGTGGAGAGTCCTATAAACCCAGATGGAAACCAGAAACCAGATAAAAGGCTGAG
AAATCAAGGGTTAAGGAGGAAGAGCTTACTTTGAGGAAGATCCCGCTACTGCTACATGT
AGTGAGATTATTTTTCAAGCTGAATTGAAACCACACATTATATAAAGTTTAGCAACAAAC
AACCATGTAGACATGCTGCACCATCTATCAGTTAAAAAAAAAAAAATCAAAATAGGAAGC
AGGCTCGGGCCACTCCTGTCACTGAGAGGCAATTCATTTCTATCCTAAA

Sequence 3252

CCGGGCAGGTACTACCTCTAGGAAGATGGTGGTGAGAGTGCACAGGGGTCAGGGTTGGGT
GGTGAGAGGGTTTTAGGAAGGTTCTTGATTTGGCACAAAGGCACCCCCCGCCAGAGAG
CAGTCAAGTCACTCCCTTGGAGTTGGAGGAAGCACTGGCCTGTGACTTTTGGGATTAGGA
TGTGCCGAGTTGGGGTCTCCTCACCAGTGCAGTAGAAAAGGGCTTTCCTCATTCTTATTA
AGGTTACTGTCAATCAAGTGATTATAGAAGGCGTATAATTTTAAATGCTCCTTTAAAAAA
ATTGTTTCCTCTTCTCACATCATTACTTTGCTTTTTTGTCTTTTTTTTTTTCAGGAC

Sequence 3253

ACNGNCCAGGTACTTTTTTTTTTTTTTTTTTTTTTTCGGTGNATACAAGGGGCTCCTTCA
TATATNCAATATTNNAATATNCGGGCTGTNTTCTATCGCAATCTTCTCANATCTAACT
TNCAATCCACTGGATATTACCTTNTACCATATCTAACCTAATGTTTAATCCATCCATTAA

Table 2

GNTATTTATTTAAANGTGNNNTTCATTTCTAAAAATNCANNNGGCCCTTTTAAAAATC
TTCTCCTTTTTCATATAGCACT

Sequence 3254

GGNCTCNGNCACTCGAATAACCCGACATGGCGTCAATGGTTGCGGTTGGCAGGNGAACTG
AANTATATAANAAAAGCAGTGCTGACANGTCACATGGAAATGGNCTCGATGACNGNGAAT
CCTTGCAANGGGGGCGGCAGCGNGANGAAGGACANCCGATNACACCAGCCGAAGCTGCACTA
CTAGAGACCGGTANAAATGAATGAGGTNCCCGCGTACCTN

Sequence 3255

CCGGGCAGGTACCTCAGATTTCAAGCTTGTGACCCACTAGCTCAGCCTGGCCAGGTTAAA
TTGGTGTCTTAGGTTCCCTGTAGAAAGGGTCTGTGATTGTCAACCTGGCTGCGTGGGAGT
AAAGAAGGTGATGTCTGTGACAGGCCAGCACTCAGGGACTGAGTCCTGCACTGATGCAG
GAGCTGTGTACCT

Sequence 3256

CCGGGCAGGTACTAGGATTACAAGTGTGAAGCACTGCGCCCAGCCTCAGATGGCGAACCT
TATTGTGAAGTGCACATGCCAGAGATCTAGGTTGTGTGCTCCTTATGAGAATCTAACGCC
TGATGATCTGTCACTGTCTCCCATCACCCCACTATCTGGGACTATCTAGTTGCAGGA
AAACAAGCTTAGGACTCCACAGATTCTACATTATGATGAGTTATAGAATTATTTTCATTAT
ATATAACAATGTAATAATAGAAACAAAGTGCACAATAAATGTAATGCTCTTGAATCATCC
CGAAACCATCCCCACTAACCTCAGGCTGTGAAAAATTGTCTTCCACAAAA

Sequence 3257

TGGAGCTCCCCGCGGTGGCGGGCCCGNCNNGCCNNGGTNCTCCNTATNTATTNANGGTNTAC
TGATGNNATGCTNAGNNGGATNNACNNTNNGAACANAGGAANCTGCANNCTNNACNTG
ANTNACATGCTGACNCTTGTNTCCNTAGCCNANNCTNACATAACAGACNTCTNNTTGNCN
GGTCCAGCTCATATNNATTAAANGNATACACACACCTACTGGAGTANAATATCAAACCTTAT
NCTTACCTNGAACCNANAGGNGGGGCCACTNCCNTCTNNCNNTCTNNTTNTNACTGG
ATAAAGGCCNACTATAGGTAATCATGTTTCATAATTGGTNACTAATGATAAATGTTCAANA
TGCCATGGACTTTTANTATGGTTCACAAAGAGTGGAAACCACAAATGATAATCTGTGAAT
TCCAAGCTACTGTATTATATGGATATATGAATATAGTTTATGAATATATNTTAAACAAAA
ATAGGATCATACNATGATGATGCTTTACAACCTGCTCTTNTAATTAACANTATCTTNC
ATTTNAACNCATACAANCCTAACCTTTTTTTTAAAGTNTTCATTATNTANATATACCACAAC
CTTTTAACTATNCANTTGACCTNTNAACAACCTGGATTNTAACTGNATGGGTNCCCTTN
CCATGGATTTTNNAAAATAAATTTNTTGA

Sequence 3258

GAGCTCCCCGCGGTGGCGGGCCCGGGCAGGTACTTTNTTTTTTTTTTTTTTTTGAAN
NNAAAAAANTTTTTGGNTTNTNCNGNNGNNAACAAAAANCCNNTTNNCCCCANCCCT
GAAAATTNNGNAAAAANNTTGTTTTTTNNCCCCCTTNNNNTTNTTTTTTTTTTTTN
NTTCCCTTTNTCNNTNCTGNNGGGGGGNGGNCANAAGACTTCATTTNTCATCACAAAC
ATGAGCNAAAAGCACATACCTACCCCATGCCTCACCCCNACACACNCACACANATGCACA
NAANACATACACACACACGACAGAGGTGAACAGAACTGAAACATTTTGTNCACAACTT
CNCGGNACGTNGNCAGACTNGGTTTGCNTCAACCTGCAAAACACAAATACATTTTTTA
AAATCAANNAAAAAATAAANNNNNNTCCNCNNGGGGGGGCCC

Sequence 3259

GGAGCTCCCCGCGGTGGCGGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTAAANGATT
TTTTTTTTNTTTTTTTTTNTTTTTTTTTTTTTTTTTTCCGNCCNCNCNCCCT
NTAANTNATAANTANAACCTNACGGNNNAAAAAAAAAAANNGTGTTNNNTTATTAAAAA
AAAANANTNGTNNTTNTAAATGNANNNNNCTTTNCCCCCTGNTNAGTTNATAAAN
CATNCTANNACCTGCCATTCTGACTTTNTTAAANAAAAANNAANACCAGAGGGGGGNGGA
GATGTNANNAGNAAAACNAGATGGGGGAAAAANAAAAAAATTGCTTTATGNGGGNCCAA
AATCTTTTGTATNGTAAAAATGCACNTTATTATNGCTNGNGCCTCACTGTTAANT

Table 2

GAATATTAAAGGGCTTGGNGNGGGGGGGTTNNAAAAAAAAAANCCCCCCCCNNNGGGG
GAAAAATTTTTTTTTTTTTTTTTTTTCCCCCCCCNNGGGGGGGGGGNCCCCCCCCNTTT
T

Sequence 3260

AGGTACTCAAGCCACCTGCCTGTCATGGCCCCCAAAATGCTGGGATTGCAGGCCACCAT
AACCGGTCATCGGGGCAACTATCCTTCAGGGCTTCCTCCAGTAGGGCTCCCCAGGTTGGC
CTTGAGGGCCACAATAAAAAATCTGACTTAGCTATACTCCTTCCCTGTCCCAACCACAG
TTATCTTGTTGGATGAGGCAAATGGCAGCAGGACANCTGGAGTATACCATAGTTGACTCA
TTTATTTTATGCATGCTTAGTGTGGCATNCCTGGGGACATGAAATCCAGTGAAATCCAG
TCTTTGTGCTGGAGAAGCTCATAGATCTGTGGGAGGAAGCANATGCCCCCACTCACTGN
ACCTGCCCCG

Sequence 3261

CCGCGGTGGCGGCCGCCCGGGCAGGTACCTGTAGGAGGTGGCTGGAGACCCCTGTTGGGA
GGTCTCACCCAGTCAGGAGGAATGAGATCAGGGGCCCACTTAAAGAAGTAGTCTGGCTGC
TTTTGGTANCACANCTATGCTGCATGGTGGAGGACCCCTTCCTCATCCANTCTGGACTCT
CACAAAGCANGCNGACTGGAATAGCTGAGTTGATCAAAGTCAAAGATAGTGGCCACCAC
TCCATCTGGGAAGTCAATCCATCTTAGGCAGACTTCAACCTGTCACCACTGGCTGGCTGG
AATTCC

Sequence 3262

AGGTACAGGAGGGACTTTGTGGAGAATTCAGGGTGGCAGAATAAGCTCCTGAGAATTTAA
CTTAATCTTATCTTCTNAAATTTAGCTTCANTGAAGAGAAATGAAANCTATTGTTTCTC
ATTCTCACATCTCCCAGAAAGTAACATTGAAGGTAATCTCAGTGTCTTGAAGTTAGCCT
TTTTGAGTGGTTAAGTTGAAAANAAGTTCTATCTTGGTGGGCTCCCCAGAGGCTAAATG
GGCCTTTGCATTTGGGAGGTCAAAGTCCGGGTTTCATGCCATTCTCCCGCCTCAGCCTCCTG
AGTAGCTGGGACTACAGCCCATGAGGCTACTGAGCTNCAGTTTTTGT

Sequence 3263

GCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTNNTTTTTTTTTTTTTTTTTNNTTTNA
AATTNNTGNNTTCTNNTTGATTNATTTTTTTTATATNTNCCGAGGTCTTTTTTTTANAA
AANTTACAAAAAATGACTTTTAAAAATANAAATATNTTTNATACTNTTGGGAAGTACTT
TTAAGCAACCAAGGAGTTAGAACTCAAATNGTTTCTTCTTTGTAAACAGCAACAATGACC
ACGGCTCTGTGCCATGGCAATCACTGCTGAGTGTCTTCTCCTACAATTACACAGGCCCGA
GCTGTGTCTGGTGGAAAGGTCTCCACTCAGGTCAGAGTCTGAAGGAGCAAGATCTTCTCA
TTAATGCAGAACCTGTGCAGAACCAACCATCAGATTCTCTCCACAGCGGGAGACCTGGCGC
TCCATGGCCAGGCGAAAGTCCCTTACGCTTTGGTGATGCCTCGAGTTACAAGTGTG
GTGCTTGATCAACATTCTTTGATTGGGTAGTAATTTCCAGATGAATTTTCCCACCTTC
CTTGAGTTCTCAAAGTANGCAAAATTCCTTCAACCATATTAATTTTGAACCGTACCTG
CCCCGGGCGGGCCGAAGGACTTTTGGATTTTTTTTTTTAAAAAAA

Sequence 3264

TGGAGCTCCCCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCNTGNAAGACTTGAAAGGT
NACGTAGCTGACACTTCTGGAGAGACCATTCAAGGNTTCTGGCTCTTGACAAAAACGGAT
CCATTAANCCANCAACCAAGGAGAACATCTTGACACTTATGGAATTTCAAAAAGTATGAT
ATGATGGCAA

Sequence 3265

TTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGTGCAGAGGACTGGAATGGATATAATGT
CTGCAAAACAAAAACATGTCTAGTGAGCCATCTACTAATCTCAACCACTGGTCTAACTCA
TGACAGTCTCAAAATGAATATTTAAGAAAAAAGTAGTGGCATCTAAAAATATAGACGTTT
TGCAACTGACTCAGGGAGAGCTCTTCTTCACTACTGAATATACTGGTTTTAAATGATG
GAGTGAGACAAAGAGGCTCTTGCTGACGTGCTCTACTTTGATTTCTATCCTAAATCTAA
CAGGTAATCAATGTGTTTGGCTACCTATAGGAGCATCCACCAACTGATATCATTTTTTTT

Table 2

TTT

Sequence 3266

GAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACCTTTGGTTAAGAGTAGACAAGGCAG
ACATCTGAGCCTGCATGACTCATCAAGTTTAGGGTGCAGGCACATACTCCACTTGTGTGTA
TAACCTGTTTGTGTAAGCTGATACTTGCCCTGGAGCCACTATTGTCTGTAAAAGGTATAA
CTGCCCTGCTGACACTGTGCATGGGGGACATGGCTTGGCTTGGCTCTTGGGCATGGCTTG
ACATGGCTCTTGGCTCATGCCCAGAGAGAGAAGGAGATAAACTGCTGACCCTGAAGGGA
GAGCTGGCCACACAGCTGTGCGTGGGGGCAGCCGCAGCAAGCAGCCGAGACAGAACAGAC
AGTGTAAGAGAGCTGCTGATGANCGAGCTGCTGAATAAAGCCATATTTCCCCTACTGACA
GCCCCCGAGTGTGTTTTCAGCTATCTGCCATTTCATCCCCCACTTCTTCAAACCTTAAC
ATGGGCTGGAACCTTGGACTTGAACCTGACNCANAANAANCCAGAAAATAGTTGTTGGCT
GGGTGCCGGTGTCTCACACCTGTNATNCCAGCACTTTTANAAAACAAGGTGGGCAAATACT
TTGAANCACANGAATTTAANAACAACCTGGGCGANACAAAAAAACCCTCTTTACCAAA
AAAA

Sequence 3267

GCGGCCCGCCCGGGCAGGTACACATCNGCTCCTGGGCNNACCTTACAAGTATCTCAAACCTC
ATATNTNCATGANAGGTATATAANCTACGTAGACANGGGAAGCCAAGATAACAGGGGAAGA
CAGGAGACTATCTGCCTATCTAAAAACACTCAAATCTTTTCTATAAGCACTGCTGATT
AATCCATTACACCACCAGCAGCTGCCAGTTTACAATCTCTGCTACACAAGCCCTCCATTG
AGTTTAAAGACAACCGTNAAAATATCTNCCAGTTTCTCCATTACCTGACTGTTACCAT
AGAGAATGCNGGTATTCCCACTCTGGCCTGCTGTGTGCAGGGTTTTCTCCTATCAGAATC
CAAACCACCTACCAGTCCCCGTACCTT

Sequence 3268

AGGTACTATGCCTTTTCTCCTACTCTGAGAGTTTGAACAAAAGAATTCAATGACCTGATC
TTTTTAACAAAATTAATAATTTAATGTCTNATTTTTGAAAAACCTAAACTCAGTGCTC
ATAGGTTATTTGGCATAACAGCAAGAATTTGGTTAAAGAGGAATATGAAGTGGAACCTGGT
TTNTAAGTCATACATAGCAGATGNNTANGTGTGTGTTTTCCACACT

Sequence 3269

AATTGGAGCTCCCCGCGGTGGCGGCCGCGAGGTACTTGGAAACCCGTTTGGATTAATTAGA
GGTCTGTCTGAAGGAGTTGAAGCTTTATTCTATGAACCCTTCCAGGGTGTGTTCAAGGC
CCTGAAGATTTGCAGAGGGGTTAGTGATTGGAGTGAGAAGCCTCTTTGGACACACAGTA
NGTGGTGCANCAGGAGTTGTATCTCGAATCACCGGTTT

Sequence 3270

TTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACCGGGGCTGGCTGTGCTGCCTC
CTCTGCTTTTAATCTTCTGNGGATATTTCTCCGATTTCCCCAAAAAGCCACAGATCCTG
GGGGAAGCCACCCCATTCGGCCACCGATCATGGAAGAAAGTATTACTTTTTATTACCAA
ACATTTTAAANATGTTGGAAGATCC

Sequence 3271

AATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTAATTTTTTTTTTTTTTTTTTTGGG
GAAANANTANGNCCTCCCTNTTNCCTCCGNNNGTTTTAAANCCNNGGGNNANAANGNN
CNCCNCNCAANTCCCTTTAANGGGNNNGGNTNANGAGNTTANANNNNNNTNCCCNGGNCN
TTTTAAACNNNGNGNCCCCCNNGGNTGGNANATTTNTNTNCAACCTTTNTATACCNGT
NACCNNGNGGGGGGNNCCCCGNCCCCCGCNTTTTTCNCTTNTANGGNGNGTAANTNGCCC
CCNNGNCCNANAAAGNGCTNAGGGNNGGGCCCGNAAAACNNNNNAAAGGATGACTTGGCGG
GTAGGGGAGGAAAATACNACCGTCCCCCTCTAACANAATATAACCAACGTCCCCCTACCT
GGGGATAGGCTGGTTAGAATTTGGTTTAAAGGCACTGGGTGACAAGCAAGGAGGGAGGA
TGCAAAAAAACTCTCTCACTTTCTNCTTTTTCCCCANANCTTAAAGCGACCCCTATNCG
CANGGAGCGGGGTANTT

Sequence 3272

Table 2

CGCCCGGGCAGGTACCAGCTGGGGTAGTAAGTAGTAGAGACTGAGCCAGAGCTCAAGCCA
CAAGTGAGTGTGACTGTCCCTCCAGGGGACACTGAGAACGATGGCTCCTGGGTACCACA
GTCTGAGAATCCACTCCTGATCCATAAGCAAGGAGTCCGAGGAGAAGCATCATCCAGGCC
ATGGTGGGGACACTCATGAAGGCTAAGTGTCTCAGGCTTCCCAGCTGGGGTTTGTTC
CTCAGGGCCTTTTCCCCCGCGTACCT

Sequence 3273

TTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAACCTGTCCTTCCCATCTCCATC
TGCCAACTCATTCTTACCCCTAGGACCTGCTGAGATGCTGCCTCTACCATGAAGCCATC
CNTGANACAGTAGCTTGTATTNTACTGCTGCTTCCAGCTTTGATTGGCTCTTCCCTA
CTCATCCCCTCACCTGACATCCGGACAGTGTGTGCAACAACCTATTATGATTATTATTGG
GATGGTCTNCTCCGGCACCCATAATCCTGTCTGAGTGAGCACCTGCACATGAGGTTGT
TTGAGAACTGGCTGAACCTGTCAACANTTGGTGGATTCTGATCCAGNANCNGATAGNG
GGCAGGANAATNNGGGTGTGGCTTTCCAAGCTCTGAGGCCCCACATTCTCAAAGGNAAC
TGANATGATNCCAATANGTGCNGGTTACGCCTAGTGGAAAAATCCAAAACATGTGCCTT
TGGCTT

Sequence 3274

CGCCCGGCCNNGGTACANATANCTTAGAGNATNTNCTNTNANTAGTCCTGANNATAAGGGG
TAGGGAGGNAANGGGTTTAANTCATAANNAAGGGCCTNGATCCCAATCCAACNCCATCN
CTNGACACATNTCCNTATCTGAANTCTGNCGNNNCNTGTCCACNNTNAAAGTNCANGNT
TCTCATAGATTCAGGATTCTNCCNNNNGCNNNTCATNGCCCCCAACCGGGAANNNGNTN
NNGGTACGCCCCCTNNAAANACTATNCNGACNTNCAANCGGTCGCTTNGACNTTNCNTGA
ACTTNATNACNTTNCNGGTACCT

Sequence 3275

TGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTGATCAGCTCTGGACTGTCTCT
CAACCAATCCACAAATTAGTGAGAAAAGAAATAGCCAAGGCTAGGCATGGTGGCTCAAAC
CTATAATCCCAGTGCTTTGGGACAATAAGGTGGGAGAATCACTTAAGGCCAGGAGTCCG
GACCAGTCTGAGCATCATGGCAAGACTGTGTCTCTACCAAAAAAAAAAAAAAAAAANCCC
GGGGNGNTTNNNTNTNNGGGGNGNGCNCNCCCNNTTCCANTTTNNCNCNNAAAAAAN
NTTTTNNNTGNNNGGGGGTANNNGGNCCAAAAANGNNTNNGGNNGNNCNTTTGNAAANC
CCNNGNNCTTTGGGNCCGNTTNNNTTGNCCAANNTNNTNTTTCTTCCCCCATGT
NTTAAAAANNGGGGCTTTTTTTTGGGGCCTTNGNNGGGGCCAANTTAAATTTTTTGGCC
CCCCAAAAACCCNNTNNNAAAAAGGGGGGGTTCNNNAANTTNAAGGCTTTNAAATTTA
AAAAAATTGGGGCTAAAAAGCGCTAACCCAAATGGGTGGGGGNAAAAANCCCCNGNCN
CTTTNAAATTTGGGGTNNCCCCGCGCTNNGGGATTTTTTTTA

Sequence 3276

CGGGCAGGTACGCGGGGGCACATGCGCATTGCGCCCGCAGCCCTGGACCATTGTGTCAGGA
CTACTCGTGANACGGAGAAAAAAGANAAATTTGGGGANCCNTTAGNAAAANTNT
TNAAGNGNNCANCANTTGNNAANATCGCCANANAGTTNTGTNTTNTCNCGCCAAAN
GGTTAAAAATAAATCATGACTGANTNTGCCTTTATCANAANTGGTAAAAANTTTGATGT
TTTNAGNNTTNTGGACTIONAAAAATGGANTGGGCACTTNNCCAGGAAGTNACTTANAGTT
TNGGGTAAATNATTTTGGACCCCTGGANCTTTTNTCTGAAAAAAAAAAAA

Sequence 3277

NATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCATGGCAGTCATGCAAAGCA
TGGGACAGAAGAAATACCACGGCAGTGAAGTGTGAGGATAACTTCCATTTTTTCCCTCGG
AGAGAACAGTTTACGGGGCAGAGGTGATATGTTCTGCTTTTGAAGATTACTGGCACACGT
TCAGCTTTTTACCTCTCTAATCGACTGGAAGCAGCCAGCCGATCACTAGTCTCCATCC
CCCTCGAGTCTCCGATTGTCATGCCTAGGCCTTGCCACAAAGACAGCACCTTTATGTGA
AAAAAACTTAGAAAAAATGCAGGTTAAAGAAAGCAATAAACTTTCTTTAAAAAAGTTAA
ATGGAGATCTTCTGGGAAACCAGGCCATGAATGCGAGTTGTACCT

Table 2

Sequence 3278

GGAGCTCCCCGCGGTGGCGGCCGAGGTACTAATGATGCTATTTCTTTTGTGGTGGTGAA
ACAAAGCTCAGCCTGCACTACTGTCTCATGAGAAATTTTTATTATCTTTCATCAGATGA
AAGAGTATTTGCCTACACATTGCCAATATTCATCCAGATATATTTTGGGAAAAAAGCTC
TTCAATTTCTCAAGCACTTTTTTCATCTTTGAACTGGAATCCAAGTCATGGAGGCCCAT
CACCTTACAGCCTCTTAAATGGCAAACATAATTATCTTTGATTTTGCTTTTCCTCAGGC
TGCATTCTTAAGTAATTTAATTTTCTTTGTNATATGTGATTGGCAACAATGCGC

Sequence 3279

CTNACCGCGGTGGCGGCCGCGGCACTGCTACCCATTCTNCAGTGGCACAAGCACCCCAAT
GATTACTTTAGTAAGGAGGCATCCAAATTGTACCTGCCCGGGCGGCCGAGGTACGCGGGT
CCTATGAACAGATATACAGTNGTGTGTATAAATGTGTATGCCAGCAGCACTCNGAACAGA
TGTATAGTGATCTGATTAAGATAAATAATCACTTATAGAGAGTCTCAAAGGAGCTGC
AGGCCANCCCTNCAGATCTCTATATTGAAAGATTTAATATAACTCTTGACAAATATATGG
GAGCATTGCAGAGCATTGTGCCTCTTTTCATATNTATGAATNAGTTTACATCNAACCA
AGCTTAACANAGACTTAANAGATGACCTTATAAAGCTGTTACGGAACATGTTGCAGAAA
AGCACATTTACAGCCTAATGCCTTA

Sequence 3280

CCGGGCAGGTACTCGGNGGCTCTCTTNTGTNTTTGNGGCTNCGGAAAGGCGTNNGGGAT
GCCAACNATCAGGCTGCTGNNATTTGTNGTGNTGGCTCTATTNNCTGNCANTCAAGCAA
GGAAGGAGNCANGCTTTNGGCTTCCAAATCACTNNTGAACACATACGCCGTGGAGGGACA
TAGACCTGACCTTGACGTACCTNGGCNNN

Sequence 3281

TGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGTGTTTTGAAAGGGTCTGATAGGA
ATTGCAATGGTNTAGGTTAAGTAAGATAAAGTCACATTTACTGANTGGGCTCTTGGGGA
CAGCATACATCANAGCATATAGTCTTCTTGCTAACAANAATAATGTTATGAAAATTA
ACCATTTAGGGCTAGAGAAGGTCTTGAAATTGNATAGCCAAGCCTCTTCATTNTGTCAG
TGAGGGGATTGATTG

Sequence 3282

NCCGNCCANGCACTGTCTTTTACTGTNNNNNTNNTNNTGAAGTACCTCNAGGCCTGGCTT
GANATGAGGCTNTNATTGTNAAACCACTGANANNAATNCNCCTCANGNGANNANNNNNNN
TAGACACTTTANAGTCACACTNACCTTCTCCAGCACCTGNACTGCCCGNTCGGCCGAT
NTANAAGTAGN

Sequence 3283

AGGTACCTGGCTACGTGCGGGCAACCCCAAGTATGTGCTCTGGGCATCCAACATCAGCTCC
CCCGGCTGTGAGAAAGTGCCAATAAATACATCATGAACCCACGGCCACCTTGTGAAC
TCCTCGTGCCAGGGCTGATGTGCGTCTTCCAGGGCTACTCATCAAAGGCCTAATCCAA
CGTTCTGTCTTCAATCTGCAAATCTATGGGGTCTGGGGCTCTTCTGGACCCCTAAGTGG
GTACCTGCCCCG

Sequence 3284

AGGTACTCCCTACGGCACTAGTCTACAGGGGGAAGGACGCTCTGTGCTGGCAGCGGTGGC
TCATATGGCCTGTCTGCACTGTAACCACAGGCTGGGATGTAGCCAGGACTTGGTCTCCTT
GGAAGACAGGTCTGATGTTTGGCCAATCCAGTCCTTCAGACCCTGTCTGAACTGTATC
TTACGTGAACCTAAAGAATAAATGCATTTCTACCCCGATCTCGCCCCAGGACTGGCAC
GACAGGCCCACGGCAGATTAGATCTTTCCAGTACCAGGCCTGTAACGATGAGGTTTCT
TCACCCCTCCAGTAGAGGGCGCACTCTTGCGAGCGGCTTTGTAGCCAGTTGCTTCCTGG
GTGCTTTACCACCGGTCGATTTGCGGGCAGTCTGCTTTGTACCTGCCCGGGCGGCCGAGG
TACCGCTTTGTAGGGGAAGGAGGAGTAAGGATGTTGNGANACCTGTGTCCANGTGACCCG
ATGCCANACANAGCTCCCATGTGGCTGAATGGGGCCACCCTGCCCTTGGGGATGGCAT
NACCAACCACACTGNCTGTGCCCATTG

Table 2

Sequence 3285

GANNAATGTANGAAGAATANAAAAAATGAATAAANGAACANANNANAANGGANNCANCA
NNNACAACAAAGCANAAAAAATCATGGAGGNGCACCAAGTANANAATGGNANGGANGAAA
GGG

Sequence 3286

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTGGGCGGATCACAAGGTCAGGAGAT
GGAGACCATCCTGGCTAACGTGGTGAAACCCCATCTCTACTAAATACAAAAATTANCCG
GGTGTGACAGCATGTGCCTGTANTCCCAGCTACTCAGGATGCTGAGGCAGGAGAATGGTG
TGAACCCGGGAAGCAGAGCTTGCACTGAGCATAGATCGTGCCCTGCACTCCAGCCTGGG
CGAACAGAGCGAGACTATGCCTCAAAACAAAACAAAACACTANAGGGCANTTTTGCATG
CAAATTATGCTAAGGCATAATTTTAGTATTATCTTAGTATTTCTCAAAATGTAGTCATC
TATGGATTTACTGAACAAATTGCCATATCT

Sequence 3287

ANGTACTTGGTTTTAATCATATTAAGGAAAGAGGCACTAAANAGGATAAGAAAGATAG
TCTTGAATTGCCACCATCCTTCCCCTAATCCCTGGCACTGGCAGCATGGCGCAGGAG
AGAGAATTTATGTGCTTGTGGAAGGGAGAAAAAGAGTGATTGTGGGACNTANCACTGGA
ATTTANTGCTGCCCTGTCACAGCAGAAAGCAACACCAGGCAGAACTCAGCCAGCATCCAC
AGAGGGAGCATTTAGACCAGCACTAGTCAGAAGGGAAGCCTCCATCCCAGCGGTGAGAAC
CAGAGTTCTGGCAAGCCCCACCACCATGGGATAAGGTGCTCTGGGATCTGAAATAAACTG
AAGGGCAAGTTTTGGGCCATAAGGGCTCTAATTCCTGGGCAAGCTTCTGTGCTGTGCTGG
GCTTAAAGCCAGTGGACTTGGGGTGACGTGACCTANTGAGACACCANCTAGGGCAGCCA
CGGGAGTACCTGCCCGGGC

Sequence 3288

NCNNGNANNTGCGCANGGAGCTCTANTGACTACTAACATATCGCCCCAAAAAGAAANNGGC
CATACTNTGGAGGNCGGTGTGCTAGCGATTTTTTCATNATACCTGTAGCTNATGGAGCNC
TCAGGACTTATGGGCTATCAAAGAATAACATGTTGATCNTCCAGGCCGAGTTCTATCTGA
ATCCTGACCAATCAGGCGAGTTTATGTTTGACTTTGATGGTGATGAGATTTTCCATGTGG
ATATGGCAAAGAAGGAGACGGTCTGGCGGCTTGAAGAATTTGGACGATTTGCCAGCTTTG
AGGCTCAAGGTGCATTGGCCAACATAGCTGTGGACAAGCCAACCTGGAAATCATGACAA
AGCGCTCCAACATACTCCGATCACCAATGTACCT

Sequence 3289

CCGGGCAGGTACGCGGGGACTCACTTGTGCCAGAGAGAGAATAAAGCCATGTGCGAACT
ATCTACGATTCCTTGAGTGTTTTCCAGCTACCTGCCACTTGCCCACTCCCTNAG
ATCTCAGTTAGAACATGACAATTGGGCTCATGAACAGGATCCTGAGTGGTTGCAGGTGAA
CAAGCAGTTGGCACAAGGGCAAAGTGATCACATCCTGATTGAGTGGCTATGGACAGCCAT
ACAGACTGTGTGGAACAACGCTGGTGAATACCCAAACCGTGAGTAAATACCAGTCTATG
TGGTTTGGTGCAAGTCATTCGGGAGACGGGTATGCGGCAGGCTATGTTTGACCTGA

Sequence 3290

ANGTACANGCTGNTNACCAGCTTGCTCAGAATNACGCCATTCTTCAGCCAGACNTGGAAG
CCANGCGCCACGGTCTGGGCGGTCNACATNANGGCCACACTGCACTATGATCCACTCC
ACCGGCNTCTAGANCTAT

Sequence 3291

AGGTACCTTGAGGCGAACAAAAAATTAATTTTAACCATGAGGGAAATCGTGACATCC
AGGCTGGTCAGTGTGGCAACCAGATCGGTGCCAAGTTCTGGGAGGTGATCAGTTGATGAA
CATGGCATCGACCCACCGGCACCTACCACGGGACAGCGACCTGCAGCTTGGACCGCAT
CTCTTGTGTACCTGCCCGGGCCGGCGCTTTAGAACTAGTGGATNCCCCCGGNGCTGG
CAANGAATTCGATATCAAGCTTATCTGATACCGTTCANACCTTNNAGGGGGGGCCCCGGT
NCCCANCTTTTTGTTC

Sequence 3292

Table 2

CCGGGCAGGTACAGGAATTACCAGATCGTCTTCATCGTCTTCGGCGTTCTCATGACCATG
GCCTTGATCGTTGCCACTCAGTTCGGTTCCGCTACAACCATTTCAAAAACGATGATTCT
AAAGGGAAAGAGGTGGAGATCCCGCAGGTGGAAAGGAACAACCTCTACAGAGTCCTCTGAG
GAGACACCAACCACCACAAGCCACTCGCAGGCCTTCAACTTTTGGGACTTAATCAAGCTG
CTCTGCAGCGTGCAGTATGGCTCAGTGCTGTTTGTGGCTTGGTTCATGGGTTTTGGATAT
GGCTTCGTGTTACCTTTCTCTACTGGCATTGGAAGACCTCA

Sequence 3293

CCGGGCAGGTACGCGGAGATTGAAGTGCTGCGCCAGCGGGTGCTGAGAATTGAAGGCAAA
GACGAGGAAATTAAGAGAGCAGAGGATCTGTGTCGTCTGATGAAGGAGAACTTGAAGAG
GAAGAAAACCTCACCCGGGAGCTGAAATCTGAGATTGAGCGGCTTCAGAAACGAATGGCT
GAATTAGAGAAGCTAGAAGAGGCCTTCAGCAGGAGTAAGAATGACTGTACCT

Sequence 3294

CTACTATAGGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACACCAC
CCAACCTGGTTATTTTTTAAATTTCTATACAGACTGGGTCTCAGTATGTTGCCAGGCT
GGTCTGGAATCCTGGCTTCAAGTGATCCTCCACCTCAGCCTCTCAAATGCTGGGATTA
CAGGTGGGATCCACTGCACCTGTCCTCTGCTCTCTTCTTTTAACTCTTATGTATGG
TTCTTTAGCAAATAGCCATAACTTTTCTTTGTAGCTTTGGTAGGGACAACGTTGTCTTTG
AGAGGACGTTTGCATCTATGACTACTGAAGTCTTGTATCTGCAACCAGTGCTTCTAGGAA
GCTGACGGTTATGCTGTAGCATTCTGGGCTACCCTGGAGAACAAGTTAGAAACAGTCATA
AACAAACGATCCATTTGCCAGTGAACACAGTGAGGTTTCAATATGTGGAAAGCATTGT
GCAGACACTGTTGCAAGAGAGAGTTGAATCAAGATAGTAATGTGTCTTCTTCTACAAGT
GTACCTCGGNCGCTCTAAGAACTAAGTGATCCCCCNGGCTGNAAGGAATTCGATATCAA
AGCTTATCGATTCCCGTCGACCTCGANGGGGGGGCCCGGT

Sequence 3295

GAGTCCCCGCGGTGGCGGCCCGAGGTACCCAGGGAACAAATGCTACTGGGACTCCACAC
CTACCTAAGAAGCAGCTCTACCCAGACTCCACATGGCTCTCTGTTTTGGTCTGGAGACCC
CAGCTGGGGTATCTCCTGAGCCAGGGATTCAAAGGTTCTGGCGGAAATATGCATCCCA
CGGGACTCTCACTCACTACCATTTTCTGTAGGGGGATTCCCCTGGGTCTGTGCCACTC
CTGGGTGAATGGCTGATCTGTCTCACTCTTCTCCGTGATCCGAAGGTCACACTATGTCACT
TGATGAATCCTTATGTGTCCACCTGGATGTTCTGGTTGAAGAGCTAGTGTCTCACCCTCT
TTCTGCTATTTGTGAGAAGTGGCACACACTAGCTGCTTCTAGTCAACCATCTTGGCCCCA
CCTCACTCACTTTTCTCAAGTAATCAAAGACCANAAAGGATGTCCTTTACAAGAGCAGAT
CCCCCAAAATGGAAGAGTTCACTGNAAAGGGTGGGAGCTCAAACCAAAGAGAGGACTTA
TTTCGCAACATAAAGACCAACTGTACCTTGCCGGGC

Sequence 3296

GCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACCTCAGGACGTGACTGT
ATTTGGAGACAGGGCCTTTAAAGAGATTAGGTTAAATGAGTCCATTAGGGTGAGCCTTA
TTGCTATCCAACCTTAGGTCCTTATTAGAAGAGAAAATTCGGACATACAAAGAGACATGAG
GGATGCAAGGGCATCCTAGAAAAGACCATGTGAGGACACAGAAGAAAGTAGCCATCTGTAA
TACAGGGAGAGAGACCTTAGGAGAAAACCAACTTACTGATACCTTGATCTCAGAACTGTG
AAAATAAATTTCTGTTGTTTAAGCCACACAGGCTGTCTATTTTGTACGTTAGTCCTAG
AAAATCCAATAGATCCAGGAGACTCAATATCCACATAATGGGCATTTTAAGAGAATTGTA
ATAGAAAAAAAATGGAACAAAGAAAATAGTAACAGAAATAATGCAAGTAACCTTTCTGG
ACCTGAACATGTATTTCCAGATGGAAATGACCCATTATGTCTGAGAACCAATGGGCAA
AAACAGGTACCTCN

Sequence 3297

NCGCCCGGGCAGGTACCACTGTTTATTGCTTGGGACAGTTCAGCAATGACAGGGTTGCTA
TTTCTGTGAGCTGGTTTAGGGGGAGGGATAGGGGGCTGCTTGGCAGGGACC

Sequence 3298

Table 2

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTGGGATTTTAGTAGAGATGGGGTT
TCACCACGTTGGCCAACTGGTCTCAAACCTGACCTCAGATGATCCTCCTGCCCTGGC
CTCCTAAAGTGCTGGGATTACAGGTGTGAGCCAGCATGCCCGGCTCTTTATCÄCTTTTT
AATATGAGTGGACACTGTCCACTGACATCAATTCCCATTCTAGATCAGTGGCTCCATGG
ACTCTCTGCTGAAGTATTCAGGGAAAAGCAGTGAGCCTCTGGCAGAGGGCTTCTAGTTTC
TGCAGTCTCGTGGACCTCACCTGTGTGACATTATGAGGGGGTGGCTACAGTGGGGAGC
CTTCTCGGAGAAGCTGCCCTGCTGTGTGTACCT

Sequence 3299

GGAGCTCCCCCGCGGTGGCGGCCGCGCCGGGCAGGTACGCGGGTAAGCAACTAAACCAACT
TTACAAATGTTAAATTCAATAAACTCAATATCTCTTTAAAGCAGGATTTCTTTCTCTCCC
TGGGCATCATTTGCTGATAGATAAAAAACAGAGTAATAAATAAGTGGCTTCTGAAGGCAG
GTAAGGCAACCTCCATGCCAGACCAGTTCTCAATACAGTGACCAAAATCCCCCATT
CTTGCTTTTACTCTCTATAACTGTTAATTATAATAAACCATATGGAAATGTTTTCTTAA
ATGGAAAAAAAAAAAAAGTACCTCGGCCCGCTCTAGAAGTAGTG

Sequence 3300

GGAGCTCCCCCGCGGTGGCGGCCGAGGTACCAAGTTAAACCGTAAACATTTACGCATCCAGA
GCTGGTCCAGCTCAGCAAGGTTCTTCCAATGCCAGCACACCTGTGCACAACGACAAAGGC
TCCGAGGGTCCAGGAAAGAAAAGATGTATAAGATAACACCCTTGAAGCTTGGTTGTAA
AGTCCAGGGCTTCTGCTGGAATTTCTCTTGAAGCTTTCGACAGCAGAACTTTGCTGGG
ACAGCGAGCAGCGCTCCAACAGGCCTGTGAGGATTCTTCTTCTTTGAGAGTCTGTCCATT
TGTCAAACCATTTGCCAAGCAGGGCTCTTCTTCTTCAAAATACCCGGTCATTCAATAGCT
GATGGTTTAGGGGTGTCCAGGTGCTCATCTTTGTCTGCATTTTGGGACCATCTGTGTTTT
TTGGAGGTGCAAATGCCATCATGAAACAACCTGGATATCCTTCCATAAGAAAAACAACACC
TCTTTTAGCTTGTCTCCCTCTCAAGCCTCAAGCGCTGACCGTTGCCACAAGTTTCATTA
GGTCAAGCTTTTTTCTTCCCCCGCGTACCAAGGAGGCCTTGGATGTCATCAGAGGGGAAA
ATTAGGGAGAGAAAAGTTGACAAGTGAGATTCAAAGTCNGGGAAAATAAAATGCATGGGTN
TATACCTTGNCCCGGGCNGGCCGCTCTTAGAACTAGGTGGATNCCCCGGGCTGGCAGGAA
ATTGCAATTTTCAAAGCTTATCGATACCCGCCNANCTCGANGGGGGGGCCCGGT

Sequence 3301

CGCGGTGGCGGCCCGAGGTACTGGGAAAAAACCCCTGTCAACTAGGAATATTATACTCAG
CAAAGCTATCTCCTTCAGAAATAAAGGAGAAATAAAGTCCCAGACAAGCAAAACATAAGG
GAATTCATCTACTAACCTGATTTTATAAGAAATGCTCAAGGGAGCCTTGATCTGAAA
GTGAAAAGATAATAATGTGAACCCAAAATATCTGAGACAGGTGCGCAGTCAATTTAGAAAG
TTATTTTGCCAAAGGTTAAGGATGCACCCATGACACAGCCTCAGGTGGTCCCTGAGGCTTG
GACATGTGCCCAAGGTGGTTGGGGGAATAGCTTGCTTTTATGCATTTACAGGGAGACATGA
GACACTTCAGGACAACCTTGAAGTGGGGGCTTTCAGGTGAGAAGTTGATNAGAGACAAAAG
GGTGCAATCTTTTTAAGTCCTCGATCAGCTTTTCACTTGAATACACAATTTANTCTGGCTT
GGNNCATCTGCATTTGGTTCCNTNAAGGAATTAGACCGANGGAAACCAATCNGATNTTCN
TTTTGTCTTAAGGCNACCCTCAGAAAGGTGACTTTGAANTCTNGTCTTTGGCCACAAAG
GAATTTTCTTTGGACAAAGGAAATTTCCAAGTNTTAAACNCTTAAACATCAAAAATTN
TTTTCAAATATNTATNTGGACNCCCGNGGGAATTAACCTTTGNCTTCATTTCCAGANGG
GACATTTTAACTNTGCAATNCCTNNGGNGTTANAAAAATCCTTTTNAATGGCCCCATTG
GGGGAAGGGATTAAATTTGGAANGGGGAT

Sequence 3302

CGAATTGGAGCTCCACCCGCGGTGGCGGCCGCGCCGGGCAGGTACTGGTGACTCACCATT
TGCCAGCGGCCACTTTGCACTGGGCACCAGCACATACCAGCCCCATCAGGAAATGTGCA
CAGTCCATCTCATCTTGTTTCATCTTCATTTTATTAATGAGGAACTGAGAGTCCAAGAAG
GTTCAATCATTTGCTCAAGGACAAAGAAGTGATATCAACTCAAGATCTGAGCGACTCCA
AAGCCCAAGCTCTGTGCCCCCGATAACACTAAAGGGCTCTGGAACCTTCCCTCACTGTGC

Table 2

CAAATTCTGGTCACCACACTTTAGGAAAGGTACCTCG

Sequence 3303

CCGGGCAGGTACACCCTGTCCTCAAGATAAATCGGAAACAATCAACCCAAAAACATGTTC
TCCCAAAGAATATTTGGAACTTTTCATCTTTCTGCTTCCCGGAATGGCTAGCCT
GCTTCACCAAGCGAAGAAAGAAAAATGTTTGGAGAGGAAAGAACCAAATTCATTGCCTG
TGATTTTCTGACTGAGTGGTTATACAACCAAATCCAAAGAGGGCAGGGGAGCCATTAC
AGAATTTTCTCCATTCCATTGTGGAGGAGCGGCTAAAGCAACACCCA

Sequence 3304

CGAATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGGGCAGGTACACAAAGGGAAAAAAA
AAAAAAGCAGAATCAGAGCTGAGTTCCCTTTAAAGCCAAACGCCTACATCTAGAAGG
AGGCTCCCTACCTGAGAGCCCTAGCCCTATTGGGGTCCCACTGTGGAAACCCCTCAGGT
CTCAAGGTTAGTTACAGGGCAGCCAGGTAGGGTAAGGCTGGCTGTAGGTGACTGGAGGAT
GGGCAACGTAGTAGTTGCTGAAGTTGCCATCACTGACGTAAGGGGCCGGCTGGTANTAA
CAGGTGACGTTGGTGGCACTGGGGGATGATGTT

Sequence 3305

GAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGTAAAAAATACTTTT
TTAAAGGACTGTTTAACTACTCACAGGCTGCAAACTCTTGGAAGTGTTTACTACTACAA
AAAAAGTGCTTGAGTTTGTTCAGGTATTATTATAAACTTTCTTCAGCCCTATCAAAGGT
AGGGTTTTTGCAGCTTTCACANGCAGATGTCCTCCAGGCTTACTGCCTTGTAGNTGTATC
AAGAGAGGACCTTCTGGCTGTCCTNCTNACTACTTGCTCTCCATAAAGCCAGACTTCAC
TGTNCCTGTGGGGCATTCACTCTTACANCACTGCCTAGACAAGCTCANATTCTTCAA
GACAGAATCCCCAGTTTTTGCTTCAGAAGATCAGATTAAGTGGACATCTAAGGGCCC

Sequence 3306

CGCGGTGGCGGCCGCCCGGGCAGGTACTGCTGTTGTGTCTGTTAGGTCCAGCTGGTATGA
TGCTGTTCAAGTTCTGTCTTGCGACTGATCTTCTGTCTGGTTGTCTATCCGTTACTGAA
AGTGGGCTACTGCAGTCTCCTACTCTTACTGTAGAATATCCATTTCTTCCTTTGATTCT
GTCAATGTTTGTTCATATATTTTGGGCTCTGATGTTTGGTGCATATATATTACATCTTG
GTGAATTTTCAAACCTTTTAAATTTCAACATGAAGATGAAATTATAGGATGTCTGGGATT
TCCTTTGAATCCGTGGGGCTGGGAGTAAGTATAAATGAAACAAGATTGGCCCGGAATTTG
AGGCTGCAAGGATAGGTACCT

Sequence 3307

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACTGTTTATTACTTTGCTAT
GCAGGAGAAACAAAACAGCTTTTTATTTGTGTGATACTCTGAAGTCAATGTGCATGGGT
TAAATCCCACCTCTGCTTCATTTTATTTGTGTGGCTTTGGACAAGTTCCTAAGCCCTCTG
TGTCAGGCCCTCATTAACAAAATGGAGTTTATGATGGCATCTACCTCACATGGTTATTG
TGTGGTTGAAATTAGTTAAATCTGTAAAGTATGTTGATGAGTATCTGGTACAGCTATTG
GAATCAGATGCAAGATGGTGTGCTTTGGGGTAGAAAAATTAGTCCTTCTAACTTTA
TGAAAGAAGGGTCCAACAAAAGACTTTTT

Sequence 3308

CGCGGTGGCGGCCGCCCGGGCAGGGTACTTTAATNNNTTTNGNTTNGTTNCNGGAATT
CCTCACACAGTAACATCTAATGTGTTCTTTATTTTGAACAGCAGGAAAAGAGCCCTT
TCCTTCANAGGAAAATAAAAACCTTTATCTGTTGCTTAAGCCAACTCCAGGGAGGAAGGT
GTGGTCTCTNNGGAAAGTA

Sequence 3309

GCTACTGGGACTCCACACCTACCTAAGAAGCAGCTCTACCCAGACTCCACATGGCTCTCT
GTTTTGGTCTGGAGACCCAGCTGGGGTATCTACTGAGCCAGGGATTCAAAGGTTTCGTG
GCAGAAATATGCATCCCACGGGACTCTNCTCACTNACCATTTTCTTGANGGGGATTCCN
CTGGGTCTGTGCCACTCCTGGGNGAATGGCTGATCTGTCTCACTTTTCTCCGTGANCCGA
NGGTCACACTATGNCACNGATGAANCCTTATGTGTCCACCTGNATGTTCCGGGTGAAGAG

Table 2

CTAGNGTNGCACCNCTCTTTNTGCTATTTTTGTGAGAGTGGGCACACACTANCCTGCTTC
TAGNCAACCAANTTNGGNCCNACCTTGACTTNCCTTTTTCTTAAGTTANCAANGGACCAGA
AANGGGNTGGNCCCTTACAAGAAGCAGAATCCCCNAAAATTGTNAGGAGTTTACTTGGA
AAAGGGNGGGANGCTNNAACCNNGGAGAAGGANNTTATTGTNTNCAGCAATAAAGAACA
ACTTTGNACCCTNNGGNCCGTTCTAANAACTAGTNGGNCCCCCCCCGGCTTGGCACGGNA
ATTCNAATTTNAATCTTATNGATANCCGGCCGACCCNNGANGGGGGGGGC

Sequence 3310

CGAGGTACAGTGGCCTCTACATGTGTGCACAGCAGCTCTGGTCTTAGTGTCTAGCTATTA
CTATTTGGTAGATCCATAGATGGGGGGGAAATAAGGAGTCAGGCCAGCAGGTCAACTTC
TTATTTCTCAGTAGCTTCTATAATGATTCCACCTCTAATGAGGTGAATTACTACTGCAT
GAAAAAGGAGAAAAAGGGTTTTGGCCATCTTAGCTAATAAATCACATNGACTGCCTGGC
TGATCAGATCAATTGTGCATAAATCAGTGCTTTAAAGAGTCTTAAATAAGATTCTACCA
AGACCAGTCGATCCACAGGCTTGTGTACCGGCAGGTCCTCTTGCCCATGGNAACTGNCA
GGAGTTCACAGTTTTTGAGACAGTTNCATGTGGCCCAAATGTTGAAAATGAATGTTTCAC
ATCTCAGAGGCATGGCTCTGGTGTGGAAAAGTAAGTTAAGTTTGTGANTGNCAATGGGAA
GTTTTTTTCATNTCCTNCAGGTTACACTTGGTACCTTAANGGNNGCAAGGAAAAATT

Sequence 3311

CACCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGTCCCTTCAGAGCCTCTAAAGTAGAA
CCTTTCTTGCCTCTTCCCAGCTTCTGNGGGTGGCAGCAACCCTTGGTCTTCTGGCTTGA
AGCTATATCGCTCCAATCTCTGTTTCTGTCTCACGTGATGTTACCCTGTGNTTCTGTC
TNCTGTNTNGTAAGTGCAATAGTCATATTGGACCCACCATCCTCCAGTATGACCTCATCT
TAATTNAAGCTAATTNCCNCAGCAAAGNCCCTATTTCTGAATTACAGCAAANNATGAGAT
ACTTGGAATTGGA

Sequence 3312

CGAGGTACCAGGCTAGCCTTCTGATGACTGCAGCAGCAAGGCTGCCCATGGGGCCACCCC
AGACAGCCTGCTTAGAATCTTCTAGAAGAGCTGCTTGATGTAAGACATTAAGACATTCTT
AAACGAAGCCAGTCTTTAAGGNCTAGAATAAATCCTTAATTCTTCAATACATAGACATT
AACGTAAAAGCAACAAGAAACAAGGAAAGTCAAATAGACATAGCACTCCCCAAAGCATAT
AATAATCTCTAAGGTGATCCAAAGATACCAAAGTGGCTGACAAATAATTTCAAATAGCT
CATTAAAAATGCTCACTTAACCTCCATAGGATACAGGGGAAACAATTCAATGGAATCAG
GGAAACAATTAATTACCAAAAAGAGGATATTTTCCAAANTACCAAAATTACCAAAATTACC
AAAANTTACCAAAAGGAGATATTTNACCAGACAGATTGGAAATTTTAAACCAAAACCAAC
CACCNCCAACAACCAACCNANATTCAACNGGAATTTTCTNNGGGCAGAAAAATTAGGAG
NGGAACCGAAATAAAAAANCCNCCAGAGAAATNNTCAGTTAACNGGAATGGATCAAGTTG
GAAAAAGGATTTTTTCNTTGAANTTGAAGACAAGGTTATTTGGAATTTTCCCGGCCG
GAAGGGGAAAAAATTAACCAANTAAAAAGGGGNTAAGGAAATTTNTT

Sequence 3313

CGACTACTATAGGGGCGAATTGNAGCTCCCCGCGGTGGGCGGCCCGCCGGGCAGGTACC
AGCACTGTGGAAAGGCTTAGGTGCAAGGAATTGTGCCTCCCGCCAATGGCCAGTGAGGA
ACTGAGATCTCCAGCCAATAGCCTTGTGACTAANCCATCTTACAGGAGAATCATTACAGGC
CCATGCAACCTTTAGGTGACTGCAGCCCCACCCACTGTCCTAACTGCTACCTCATGAGAA
ACCCTGAGCTAGAACCAGCCAATAATTAGAATTTCTAATTTGTAGGAATAATGAGAAA
ATAAATGTTTGCTCTTTTTAAAGCCACTACATTTTTTTGATGTAGCAATACATAAGTAA
TACAACCACCTCTCCCATTTTCATTTACAGCTCAATCCAATTAGATATTTCAATTTTCAT
GTCAATAAAATTATTATATATAAATTACATATATTCATATATATNCACACACCAAACA
CAAATNTNTATAAAATTGNTTAAATACCTGGTAAGCACATAGAACAGTATCTGGCCCTGA
GANGNGCTTCGTTATTTAAATTAATTAATTAATTAACAAGCAGCAGGANGGAATA
TATGGAGCCACTGGAGGACTGGCCATCTTGGTAAACCCANGAAGNTAAATGGCCGGTCC
TGGNTTCTTTACCTTTACAAGTACCTTGGGCGNTT

Table 2

Sequence 3314

AGGTACTTCCCCTGCTTGGGGCCATCTGTGCTAGGACATGATGATTTTTCTATGAAAGCA
GCTGTTCTCACCATCACAACCAGCCTTGAACCTTGGTGGCACAACCTGGATCCTAAATAGT
GGCTCTGGAGCAACTGGGAATAGGGCCCCGGGGACCACCCACCCAGGTGGCAGCGCTGGG
CTGCACCAAGGGGGAGTCAGGCCAGAAAAAAGCTTTGCCCTGCTCCCTGCTGCTTTTTG
CCAGCCCAGCCAGAAGCCCTGCAGAAAACCTGTGCTGACCGGCCCGACATGTGGCAAGGT
ACCTGCCCCG

Sequence 3315

AGGGCGANTTGGAGCTCCCCGCGGTGGCGGCCCGACGTACCGTGAGGCACCATACTGCTG
ACAGTANTACACTGNNGNATNNTNANGCTCCANNCTGCTGATGGNGAGANTGAANTCTGT
NCCATACCCACTGNCACTGAACCTGTCTGGGATGCCANTGGCCCTGCTAGATACATCATA
AGATGAGGAGCCTGGGCGCCANGCCACGTTTGTGCTGGTACCTGCCCA

Sequence 3316

TGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCANGNNACACACGTTAAGCATCCCAAG
CAGCTTATGAGTGGGTCTGCTGATANAGTCTGCAAAGTGGTTAGTAGGATACACAGCCCT
TTCTTGAGTTTCAAGCCCTGACTGTGAGTCCCTECCTGT

Sequence 3317

CCCGCGGTGGGCGGCCCGGCCCGGTGCCCGGCTCCTTTCTCCTTTTCGGCCTTCGCCG
TCCACCAAGTCCCTCTCTTTTGTCCCCGGCNCGCTCTAAGAACTA

Sequence 3318

NCGCCCGGGCAGGTACAGCCTGCAGAACTGGCCCTTGTCTCTGTCTACATCAGACC
TGCTCTGCTCCCATCCAAGCCGATCACCTTCTGAGAGGACCTGGCCCCCGAGCTCAGGAGC
ACCCAGCTCTCAGGACACAGCCCTCGTGGTGGGACAGCGCCTGCACCTGCAGCCCTGT
AGCCCTGCACAAGGAATTTGTTGAGGGAATTTGATTTTCTGCTGCTTTCTCCTTGAAC
CTATTTGCATTTTAAATAATTAACATTAAGCTGAAAAATTTNTTNNAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA

Sequence 3319

GCNAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGCCAGGNCCTACCNATNNNNATTN
TTNNCANNNTGGNCGACNACATGAANTGCTATCCAACCTNANNCNTGNAAGACAANCTNC
NTAGTGGCCATACACAACTNGAATNNNNGGGTNNNNCNNTNCNTNNNTAATGCCCAT
AACTCACNNNAGNNACTTCTGCATNGANGNCNACTNTGAATNCCGCTCTATGAACTAGG
AGCATCTCNCCGGNCTGTGGGNAATTNGAATATCAAGCTTATCTATACAGTCCCAACCTC
TAGGGGGGGACCGGTACCCAACNGGAGATCCCTNATTGAGGGTTAATAGNNCGCTNGNCG
NANTCATGNTCATANCNGTNANCTTGNTGCATAAGGTAAGCCACAGTCACAAGTGACTGA
GCGGCTAATGCCACCCGAGCAATGTACNCNGGTAACCTCCANCAGGCATTTCAATTAATA
CTGANCTTANTTCTGCTGGGTAAAGGCATTCCGAGGTAACCAGGGCCCTCTTGGGCCCCC
CTTAAAAACCAACTCTTTCAAGGGTGAGTACCTCGGNCCGCTCTTAA

Sequence 3320

ANCTCCACCGCGGTGGCGGCCCGCCCGGGCAGGTACTCTTCTAGCCATCTGAAATACGTTT
TCTAGGGAAATGTTTCAACGTGCGCAAGCGTTGCGGCGGCGGGCAGAGGACTACTACAGA
TGCAAAATCACCCCTTCTGCAAGAAAGCCTTTTGCAACCCGGTGCACCTACAATTTGGTA
TTACCTGGGAGTGAAAAGA

Sequence 3321

CGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACATCTTTTACAAATAAACTTTACAG
TAAATCCTATCACACCTATAGAATATATACCGTGGCAATGAAGTGATCAATTCAGATAT
CCTGAGAAAAACAGATTGTTTTCAAAAGTCACACATACATCGGGGAACTATACTATGCC
AACAAATTCACATATGTCCAACAATAGTCTGTTCCAATTGTTAGAGTCTGTGGGCTGACA
GTGCTGTGTGGATCCTTCTCTTTACAGTGGCACAAGATGTGGTCTGGACCCGCGTACAC
CATAGTCCCTGCAGAGATTGAATCCAGGTGGAAGAATGCAGAAAAGCTTTAGAAGACAT

Table 2

AGATGAGAAGATTAGCAATGAAGTCTTAAAAAGCTCACCATCATATGCAAAAAAAAAAAAA
AAAAA

Sequence 3322

CGAGGTACTTTGAGTTCTCACGTGCGTCTTAAGGCATGAGTGTTCACTGAAGACTTCTCC
ACATTGCTCACAGTCACAGAGTTCCCTTCCATTGTGTTTTCTTCCAATTGTATCCCAAT
GGATGTCGGACCCCTCAAAAAGTCCTGCTGAAGTATAGACCACTGGGTTTCAAGTCGCAT
TTCCCATCCTTGGAAGTCTCCTCCTGAAGTGTCTTGACTCTTCTTGTTCCAACCAAGA
GATTAGACTGGGTTTGATGATCTGACCTCCTACTGTGGCCAGGTTCTTGATTTCTCCAG
CATCACGTCACTGTAGAGGCTTCTCTGAGTTGAGTCCAGTAAAGTCCACTCCTCCTGGGT
GAAGTCCACAGCCACATCGTCAAAGGTCACTGAATCCATGGGACAAATCAGCAGCTGCCA
TCCCGCGAGGTGAGAACGTGTGAGAACCCTCCTTTCATTGATGTCACCATCACTTCAGGA
CACCTCATTAATCTAAATGGACAGTGGCAATCTCCATTCTCTTTAAACANGGTTATTGG
GATTCCGGAACACTCAGAAATCGCCAGGTCCCTGAACCGGGAAA

Sequence 3323

AATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAACCTTGTCAATAANGNNGTGGGAC
ATTTACATTCTTTGGNCTACAGNTCTGAGACTATCTTTTATGCATGTNTGTATTTATT
AGTAAACATTTATCCTCTGCTGCACGTGANGCACTNNCCAGACCCGATNGGAGANAACCC
ANGGTG

Sequence 3324

GGCNAATTGGAGCTCCACCCGCGGTGGCGGCCGACCTCTGGGGCCAGACCACTGGTCTC
CAGAGAGGCGCGGGGACCTCCACCAGGGATCGGAGTGGTACCT

Sequence 3325

CGGNCGANGTACCAGGCTGTAGATTTGATAAGCTAGATGCAGTAGACCGAAACCATCCAA
AACCTGTTTAGCTTCTTCTCCATTGGAGTTTATTGGGACAAACAGGAGAGCCAGCCATT
GTCTCCAGTACGCGGGTTTCAATTTAAATGTTGCTAACCTTCCTTCCCACTGGCTCTGT
ATAAAAACTTCTGGACAAAAGCCATCATTGGAAGATTTAAAGAACTCAGTCCTCGGT
TGGGGAAGAGTTTGCAAGAAGTTCTAGATGATGCTGCTGATGACATTGGAGATGCGCTCT
GCATACGCTTTTCTATACACTGGGACCAAAATGATGTTGACTTAATTCAAATGGGATCT
CCATACCTGTGGACCAACCAACAGAGAGACTATGTTTCTAAGTATATTGATTACAT

Sequence 3326

AATTGGAGCTCCCCGCGGTGGCGGCCGCGCCGCGGCAGGTACGCGGGGGGCTTCCGGAAGCT
CATCTCAAAATGCTGAAGTCTCTTTGGAAGTCGCCGGTCTGTTGTAGTTGGAGTCTGT
TCACGGGCCTGAGCTTCGAGGCCAGGCTCCTGGGTGTCGTTAATGTTGCGGGCCGCGGG
CGCCAACCGATCGGAGCTCCAGCAGCCAGGAACAGCTGGCATTTCAGTAGAACCATGGAG
GAGCTGGTTCATGACCTTGTCTCAGCATTGGAAGAGAGCTCAGAGCAAGCTCGAGGTGGA
TTTGCTGAAACAGGAGACCATCTCGAAGTATATCTTGCCCTCTGAAACGCCAGGCAAGG
AAAAGGAGAGGGAGAAAACGGAGGTCTGATAATGTGCATCACCCGTGGGAGACTGGTCAC
TGCTTAAGTGAAGGCTCTGATTCTAGTT

Sequence 3327

CTAATTGGAGCTCCCCGCGGTGGCGGCCGCGCCGCGGCAGGTACGCGGGGATGCATTACTGT
ATTCCCCCATGTATGGCAGTTGCTCAGAAAATGCTTGAGGAAGGAAAGAAAGAAAGG
AAGGAAGAATAAAGGAAATAAGGTCTGCTGGTGTGCTGGACGTCCGCTCCAGACCCTG
TTTGCCTGGGTATCAGCAGCAGAGGCTGCAGCACAGCAAAAATTGCTGCCTGTCCCTTCC
TCTGGAAGCTTCATCCCAGAGGGGCACCCACCAGATGCCAGCCAAAGCTCTCCGGTATGA
GGTGTCTGTGACCCCTGCTGGGAGGTATCTCTCAGCCAGGAGGCACAGGGGTGAGGGAC
CCACTTGAGGAGGCAGTCTGGCACTTAACAGAGCTCAGAGATCTGCTGCTCTCTCGGAC
AGAAACGTTTAAGTCAACTGAAGCTGCCCCACAGCCACTCCTTTCCCANACAATG

Sequence 3328

AATTGGAGCTCCCCGCGGTGGCGGCCGCGCCGCGGCAGGTACAGAAAACAACAAAAATAA

Table 2

AACTTGGTGGATAAATTATTTGTATATAACATTAAAAGAAGTAGAAGATTTTCAGTTATA
ATTACAATTAAAGTATACTTTTATCTTGAAAAAATTACTGATTTTAAATTAGTGAATAA
TGATGTAATTAAACTCTCAAATAACTTTATGCTCTTTTTTCATTCCCTGCTATATTCACAT
GTGAAAGCATGTGACCAATTGTTGCTGCACCAAAGATATGAGAGATTCTTTATTAGGTG
GGCATTATTTAAACATTTTTATGGAACAGTAAGGATATTAAAGTGTAAGATGCAGCCA
GGCATGGTGGCTCATGCCTATAATCCCAGCACTTTGGGAGGCTGAGGCCGGTGGATCACC
TGAGGTCAGGAGTTTGAGACCAGCCTGACCAACATGGTGAAACCCCTGTCTTTACTAAAAA
TACAAAAATTTACC

Sequence 3329

NAATTGGAGCCTCCACACGCGGTGGCCGGCCGCCGGGCAGGTACAAACTCCTCCATTTC
CTTAGGTAGGGGTTTGACAGGTTTGACAGTGGGAATCCTCCAACAAAATCAACTNTTTGGT
NAGGAATGGATGANNGANAATTGAGAACTCCATCGNAGTTTCTGAAATAAGTCCANTAT
TGTCAGCNTTTTCCCATTGTCTNAAAATTAACGGGTAAAGTGCGGTCTTTCTAAAA
A

Sequence 3330

ATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACCCAAACCGCAGGTGAACACCGC
AGTCTGTTTCTGGTCTGATAGTCACAAATGTATTTGTAACCTCCTCCCCAAGCTGGGCC
AATTGCCCTTGGCTTTCAGCTCACCCAAACCTTTAGTCCTACAGGGCCTTGGTCTCCTCT
CCAAATAAGAGGACGGAATTGTCTTAACCTTCATGCTACACCTGGTAGGATATAAGGAG
ACACACAGGAGCATCCTAGTTTCTATCCATTGCATGGTAACAGCCCCATTTACCCTTGGC
AACCAGGACTAATCCAGCCAACCTCTGTGGCCCCATCTGTTGCCTGTAAACCTAGTGGG
ATGAGGAGCCAGCTATTATCAGGTGACACTCCTCACTCCAATGGCCTTTCTGGAAGCAC
TCCTTTCCCTTGAGAAGGCAACAGAACACAATGGTTAAGAATCAGGCTTTCAGTCGTA
CCT

Sequence 3331

AATTGGAGCTCCACCCGCGGTGGCGGCCGCCGGGCAGGTACTACTCGATTGTCAACGT
CAAGGAGTCGCAGGTGCCTGGTTCTAGGAATAATGGGGGAAGTATGTAGGAGTTGAAGA
TTAGTCCGCCGTAGTTGGTGTACCT

Sequence 3332

NAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCACATGCCTGTAATCCCAGCTACTTG
GAAGCTGAGGCAGGAGAATCTCTTGAACCTGGAAGGCGGAGGTTGCAGTGAACCAAAATC
ACGCCACAGCACTCCAGCCTGGGAGACAGAGCAAGGCTTAGTTTTAAAAAAAAAAATCAA
ATATTGTGTGATTCTGTTTATAGGAAATATTCANAATTGGTAAGTCCATAAGGACAAAAA
CCANATTGACAGGGGCTGANATGAAAAANANAATTGGGGTATGGGGAGTGACAGCTTGAT
AGGTATGGGTTTTGTTGGGGGAGATAATGAAACATTTGGAAGTGGGAGATCACCTGA
CATCAGGAGTTCAAGACCACTGAACTCGAACCTGGGTGACAGAGTGAGACTCCGTCTCAN
AAAAAAGAAAATGTTTGAACTAGATGGTGGTGGTTGTACCTGCCCCG

Sequence 3333

CCGGGCAGGTACGCGGGGATACCGTTCTTCTGGTAGTGAACAAGTCTCACAAGAGCTGAT
GGTTTTATGAAGGGTTTCTACATTTGCATCTTCTNATTTTNTNTTGCCGNCGCCACATA
AGAAGTGCCCTTTCACCTNTCATCATGATTCTGTGGCCTCCCCAGCCA

Sequence 3334

CGAGGTACCACATGCCTGTAATCCCAGCTACTTGGAAGCTGAGGCAGGAGAATCTCTTGA
ACTTGAAGGCGGAGGTTGCAGTGAACCAAAATCACGCCACAGCACTCCAGCCTGGGAGA
CAGAGCAAGGCTTAGTTTTAAAAAAAAAAATCAAATATTGTGTGATTCTGTTTATAGGAA
ATATTCANAATTGGTAAGTCCATAAGGACAAAAACCANATTGACAGGGGCTGANATGAAA
AANANAATTGGGGTATGGGGAGTGACAGCTTGATAGGTATGGGTTTTGTTGGGGGGAGAT
AATGAAACATTTGGAAGTGGGAGATCACCTGACATCAGGAGTTCAAGACCACTGAACT
CGAACCTGGGTGACAGAGTGAGACTCCGTCTCAAAAAAAAAAGAAAATGTTTGAACTANA

Table 2

TGGTGGTGGTTGTACCTGCCCCG

Sequence 3335

CCGCGGTGGCGGCCGAGGTACGCGGGTCTCCATATATCTTGAAGTTTTTTTGACTTGATT
CTGCACACTTAAAAGGTGTGTTCTTTATTCATACTGATGATTAAATGCAACCAAAATACA
GGTAGTTTCTATGAATTAGGAGTTCATAGCATCTTCTAAAGCACAGAATTCTGAATAGAA
CTCATCCAGGTGAGAAGCAGAACATTCTAAAGCAGCTTTCAGTTTCTTTAACTGGAGTC
TCCAACCTCAATTGAGAATTATTCTTCCTCATGCCAGTCTCCAGGAGCAGCCTGGCCCCAG
GCTTCAAGAGTAATACCTCAAGTCTACTTTCAAAGATTCCCAAAGACTGTTTTTCCCT
CACTTGTTTTGATTGGATCTCATTTCAAAGAGGGCCTTTTNTAAGACTGCTGATGTTTTT
TTATGGTAATCTG

Sequence 3336

GGCGAATTGGAGCTCCACCCGCGGTGGCGGCCCGCCCGGGCAGGTACCTGATGGATGTTT
GATAATGTCAATTCCAGTAGGTTGCTTAAGAGTGATTTAAATTTATTTACTTGGGCCAGG
CACGGTGGCTCATGCCGTGAATCCCGGCACCTTTGGGAGGTGAAGGCAGGCAGATCACCTG
AGGTCAGGAGTTTGAACCCAGCTTGGCCAACAGTGAGAAACCCAGTCTCTACTAAAAATA
CAAAATAGCTGGGTGGTATGGCAGGCTCCCGTAGTCCCAGCTACTCAGGAGGCTGAGG
CAGGAGAATCACTTGAACCCAGGAGGCAGAGGTTGCAGTGTGCTGAGACCATGCCATTGC
ACTCCAGCCTGGGTAACAGAGCGAAACTCTGTCCCTCCCAAAGAANAAGAAAAA
ANNNGNCCCCNNNCCNTTAAAAANNNNGNCCCCCNGNNGGNNNAANTTTTNNNN
AANNTTTTNNAAACCCCCCCC

Sequence 3337

GCCGAGGTACCTANAAACAGAGGTCAGCGGGCCAGAGTTTAAGAGAAAAAGAGAGGGGAA
AAAAGAGCAGGAAATCCTTGAAAGGAGCTATAATAAGGACAGAGAATATAAGGATAAA
AATGGATTCCAAGGAGGAAAAAGAAATGGGAGGAATGTTTATTGACCATCTGCTGTTGCCA
GGCACTAGCCTAGGGCTTTTCCATATGTTATCTAATCTTAGAACCCAGTTAGATGAACAA
CCACTATCAATATTCCCATTTTACAGATGGGGAACTGGGTTTCAGGGGGATAAAGTGAC
TTCCCCAAGGTCACAGAAAGCAGCAGTTTGAGCTGAGGCCTGTGTGACCCCCAGCCAACA
AGTCATCCATCGTCTTGAGGGCTAGTCCCTCATT

Sequence 3338

CGAGGTACCCTCCAAGCCGAGTCCTTCTTCAACCCGCAACTGAAAGGGCTTCAGTGGGAT
TTTCTATAACTCTGCTTTTCTGGCCTGAGAAGTCCATTGCTACCAGGGAATTCTCTGATA
TACTTNTCTTAAGCAATCTAATCGCGGTCACCCAGCACGTCTACTCTGCTCTTCTCTG
CACAGAGCATTTCCTCCCGCGTACCTGCCCCG

Sequence 3339

CGCCCGGGCAGGTACANNTGAAGCTCTGACCTNACGAGCTCTTCTGTAGGTGAAGAATGG
NNNAACTATGGNTCCTGTNTGCCCTGGGNCCCCCACTCCTAGAACTCATNNANCCCCCTA
CCAAACTTATAGTACCTCGA

Sequence 3340

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACACACACGCACACACACAC
ACACACACACAAACGTGTGTATGCACCTACCTTCATACTTGCCTAAACTNTGTGCAATAAC
AGTCTGGATTTTCTATTATTTCTCTAGTTNTGTTNTGTTTTTAAGCTGGNTATAATCC
ACTAAAGTGATTCCNNGACACACTAGTTGATTGTGACCTTCAGTTNGAAAAATTCTATTAC
AGAATCAAGAGACCAGGGTGTGAATANATTTAATCTTAGAATTCTGTTANATAAATNA
GTGCANATGCAACATTATTTTAAAGATCTATGGNTGANTGGTTTACTTTATTCTAAAT
TCCATAANGATAGACCAACAAAATTCAATTTTATAGACNNGGCAAAATCTACTGGGCTTA
GCCAAAGGTNNCAGTGNTATAGATACAGACCAACACAACAC

Sequence 3341

AGGTACGCGGGAGATTATGAAAATCGCGAGTCAACACCCAACTGGCAAAATTACTGAAA
CTACTACTTTGGGCTCAGAACGAGCTGGACCAGAAGAAAGTAAATATCCCAAATGACA

Table 2

GACCTCAGCAAGGGTGTGATTGAGGAGCCCAAGTAGCGCCTGCGCTTGCGTGGTGGATCC
AACACCAGCCCTGCGTCGTGGGACTTGCCTCAGATCAGCCTGCGACTGCAAGATTCTTAC
TGCAGTAGAGAACTCTTTTTCTCCCTGTACGCGGGACCTGGACGAAGGCTTGTCTTACA
CGANCATCTTCTATCCGGTTGAAGTTTTGAGAGTTCGCTTTCANATCCTGGGCCCGGAA
AGCAAGATGACAGCGGCCANGATGTCCCCCTGAGGGTCCCTGGAGTGGTTCCTGTTTTTG
ATGCCCACAACTTTCTGTTGGAAGCGACTATNATATCCAGTTAGAANAAAAAAGTGGTA
GTAAGTTGGAAGTTGATTACCCACCAGCNCNTGNTCNCANCCGACATGGATAATC

Sequence 3342

AGATTGGAGCTCCACCGCGGTGGCGGCCCGAGGTACACGGCTCACTNNCTTGAACGACT
GCTCACCCCTGCCTTGCCCCAAANNAGGGGGCCCTANTANANCNAGCACTNNTGCCTTANAC
AANGACTGTNGNCAANGTATTNTATNANNCACATNANNCACATTNTCTCTCTN¹NT
CTNAGANGCTNACCCACNNCTNANTAANATTGTCNCNCAACTGNGTGACTCNNTGNTNNG
CACTNACCNGCCTACCCACNCCNCCNGTGCANNNANTGANTCNATANANAGNNNTANNGN
CANNTNGNNGNCNTNNANAANTNANCAAGCNTANAGAANNATTNCNNNNNNNCACCGGCCN
CNTNGNTNGN NATACNTAAAAANTCCATTACNNNNGAGAGCTNCCATTGGT²CTCTG
GANGGANAAAGGANNTCAAGGGNNCNNNANCTNNCAANCCTCNGCATANTNATCAAGNCC
AAANTGNGCTCTGGNNCACCTCTNGNATTNTCTTGGACNAAAGACCCCAAATTCCCTTTT
CTTCTATTGTGCTAATGCAATTACCTCATAACTTGNGAATTTCCAGGCATTTGTCTGGGG
GTNTCCCTCTAAATGATATGTTTGAATGTGGATGTGGAANGAGAACTGGCNAATG
CCAGGACTCTGG

Sequence 3343

CGCGGTGGCGGCCGCCGCGGCAGGTACAATTTACGTCCTAAGGGGGGCTACTCTAATTAT
CCCAATCAAATGGAATTTTTTTCAAATTGGATANAAGGAATTGAAGANTTGTAAANTGT
GATTAGNCTGCTAATCAGNTCTTCANATGANATATTGAATGGTAACACTCTGAGCTT

Sequence 3344

AATTGGAGCTCCACCCGCGGTGGCGGCCCGCCCGGGCAGGTACCAGCAGAAACCTGGCCT
GGCGCCCAGGCTCCTCATCTATGATGCATCTAGCAGGGCCACTGGCATCCCAGAC

Sequence 3345

[illegible]

Sequence 3346

CTCTGACTTGGATATTGCTGCTGGTTATTC AAGGCCCAAGGGATCTTTAGTCAGCAGGTG
ACGTATTCCGCAAGGACTGGGTCTTTCTT CATGGCANCANGTTCCCTTCTGGCCCAGG
GTGTCTCTAAAAATGGTTTCTGGGAGCTAGGAATCCCACTCATCAAAGAGGACTTCAAT
GCAAGACAAAGTCTCTTTACTCTTCTCCCTCCTCTCCCCAAGAGGAAGGAAGGGTCTCT
TTTGAATCAGGAGCTGCATTCCCTGGGGTTGGGGAAAGGGTAG

Sequence 3347

CGCCCCGGGCAGGTACGCGGGGACCTCAGAGCTGAGCTGGGCATGAGTAGATGCTCAGTAA
GTGGTGCACAGGGTTGGTCCCTATGGTGGAGGCCCCCTAACACCGCCCAACCCCCCTCCA
TGTTCTCAGAGCTCCACGCACTGAGCAGCGGGCATGAAGGCCATGATGTCAGAATTCTGCA
CCCAGGAGCTGAGATGTGCCGACGGCCCTGTGGCGGACATGGCTACTCAAAGCTGAGTG
GCCTGCCATCACTGGTACCAAATTTGCGGGCTCCTGTACCT

Table 2

Sequence 3348

AGGTACGATCTACTGGAATTCTAATGGGCCAACAGCTGACTCATCACTGCCTACAACT
CAGTCTCTGGCCAGCAGCCACAGCTTGCTCTGACCAGAGTGCCTAGCGTCTCTCAGCCTG
GAGTCCGCCTGCCCTGCCCTGGGCAGCCTTTGGCCAATGGACCCTTTTCTGCAGGCCATGT
TCCCTGTAGCACATCAAGAACGCTGGGAAGTACCTGCCCG

Sequence 3349

GCGAAGGCAGGTAAAAATCAAGGTGACCCCAAGAAAATGGCTCCTCTCCAAAGGAGGTAG
AAGAAGATAGTGAAGATGAGGAAATGTCAGAAGATGAAGAAGATGATAGCAGTGGAGAAG
AGGTCGTACATACCTCAGAAGAAAGGCAAGAAGGCTTGCTTGCAACCTCAGCAAAGAAGGT
GGTCGTTTCCCAACAAAAAAGGTTGCAGTTGCCACCACCAAGAAAGCAGCTGTCACTCC
AGGCAAAAAGGCATCACCAACACCTGCCAAGAAGACAGTTACACCAGCCAAAGCAGTTCC
ACACCTGGCAAGAAGGGAGCCACACCANGCAAAGCATTGGTAGCAACTTCTGGTAAGAAA
GGTGCTGCCATCCCANCCANNGGGCAAAAAATGGCNCAATCCCAANGAAGACAGTGA
TTAAAAAGANGATTATTACNGTTAGGANGATTANGANGATTACCANGACCAAGATTATGA
TNAANATGAAANTNNCCNCCCGCCGATTAAAAACCACCACTTCTTGCCCTTGCCCTCNNAGG
ATTAAGACCATTAGGATTACCAAAATTTTANGGTTACNATTACCCATTAAGGAAAATTA
CTTTTNTNNAAAAAATTTTNGGACTTCCCCCCCCCAAGGGAAAAAAAATTTCCAAANT
TTTTCTTNTGNAAACCCAAACCTGGCTTGGGGTTGAAANTTAAAAAAGGTTTTTTNGG
CCCCG

Sequence 3350

CCGCGGTGGCGGCCCGCCGGGCAGGCGAGGGAGAGACGTAGACGACATAGGGCTGTTTCT
GAAGGGAGCAGAAAGTGGTTCCTGCATAAGAACTTAGGAGGACAAGCAGCTGGAGACC
GTGGGCCCCAAGGTAAAGACATGTAGTCTCTGCCAACTTACCCTCCATGAGGCTTACT
GCCTGCGGTTCTGCTCCTGTGTCCGGAGTGTGAGGAGCCTGTCCCCAAGGAAACCACGG
AGGAGCACTGCAAGCTTGAGCACCAGCAGGTTGGGTGTACCT

Sequence 3351

CCGGGCAGGTACTGTGGCTGATTTGGCACTCAAACCTACAATATAAAGTCATTCTACTCT
TCTCTCCCCTTTCTACAGGCAGAGAAGCCTCTCCCTGTATCCACCACCACCACTGATCCA
TAGGGAGTTCTGCCAGGCCACCACTGATATTCCCTAAAGCCCAAGTGCTCTTCAGCCAG
CTTTTGGTAAACGTTGTGAGTCCGGGGACTCACCTTCAGAACAGTGGGCTCCCCTTTGG
TCCAAGGCAGGTTTATAAATGCTGTCCAAGAGCCTAAGCCTGGACTTGGGGACCCTAAAA
GCCTGTTTGTGCTCTACCCCACTCTGGACAAGCTGGTACCT

Sequence 3352

CGCGGTGGCGGCCCGCCGGGCAGGTACGCGGGGCCAGGCGGAAGCCCGGCTCCGGGGCCAG
CATCCGAGAGCCCGGACTGGAGAGTCAACTTTTATAAACTGTTACTGGGAATACTTGAC
TTACTAAGCTTTTACTGAACACTTAATTTTGGGAGTACCT

Sequence 3353

GGCTGAGCTCATCCCGACGCTCCTGGCTGTGCTGGGTCCGCTACGGCAGCTCCATGGGG
ACCACAACAACAGCCCCCGGTACCT

Sequence 3354

AGGTACCTGGGCATGTCCTGTGATGGCCCCCTTCAAACCTGGATGACTACCACTACTGAGAA
CCAGGCCTGCCCTTACCTACCAGCTGCTGTCTTGCCCTGGCCCTGCCTCCCCCTAAGAG
CAAATGACACCAACTTTGTGATTGTTTTAGTGTCCCCATTGACTCCCTGGGGCTGGTC
ACTTAGGTTTTGGCCTCTACTGCATCCCTCATACTGTTGCAAGTGTGGCAGGGGGAATTG
AAAAGCCCCCCCCCTCAAGCTCTGGNCATGATGAAGGTACCTGCCCGGACCTGCCCC

Sequence 3355

TCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGA
GAGACCAATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAG
AGAATTCTACTGGTCACAGACAAGACTCTCTGNATCTGCAAATACCGACCTTCATCAAT

Table 2

GCCTGAAGGNTGTGTTGCAAGCTTGCAAGCGGGATTCCCTCATGCAGCCGCNTGNTGNT
ATTCGCATNCTGGCNCTGGGGGCAANGNTTTCACCCTTTTCTCCTTGGGGGATGGTNNCC
CTGGGGACCAANGGAAGGACAAANGGGAGNANAGGGCCTTNTAAGGGANTCTTACCTTGG
GGNGGGAAGGTCNCNNGTAAGGGAAGCCANGCTGCTNCCTTTTNTGNNCCCCGGCTNNG
NGNAACCCCCAATGGGGTNCACCTTGNAANGNTTTCCTTTAATNGGCNTAANCTT
TTTTACCTTGGAGNNCATTTCCTTAATNGAAAAATNAACCAACTNAGGTTGGAAGCAA
AAACTTTCCCTTTGGAAAAA

Sequence 3356

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTAAGGCAAGCTG
ACATTATTACAGTGGCCTTTCAATGTTAGCCAAAATTTTAAAACAAATTCCTTCCCAA
TTTTTGTAATTAATTTTCCATTTATAATTATTTTTTAAAGCTTTTAAAATATAGCAATT
TGGTATTGAAAAATAGACAGTGCTCATTGTATTAGTTATCCATTGCGGTATAACAAATTA
TCCTAAACACAGTGGCTTAAACAAGCATGTATTAATCATAATTTCTGAGGCTCAGGA
ATGCTATAGCATCTTAGTTGAGTATTTCTGGCCAGGATCTTAAGAAGTTGAAATCAAGC
TCTCAGCTGGGGTGGCATCATCTGAAGTCTTAAGTGGGGCTGGAGGATCCATTTCCAAGG
AAGTCTCACTCACATGGCTGT

Sequence 3357

AGGTACCACTACACTCCAGCCTGGGTGACAGAGTGAGACCCCATCTCAAAAAAAAAAAAA
ATGAATTATGTAAATGGGTTTACAAGGGTTATCTTTCTTTGCAGACCCAGAAAGTCCACA
TTCCCTCGAGAACTACAGCAGTTTCTGCCTTCAATTTCTTATACCTGCTCCTCTGATT
CTGCTTTGGGTCCCACCAGCACCGAGGGCCATGGGGCCCTCTCCATTTCTCCTCTCAGCA
GAAGTCCAGGTTCCCATGCAGGTAAACAGGTGAAATTTAATGAATTCACCCATCAGTTAG
ACCTTATGCAAAGCTTTGGTGTCTGAGTTTACAACCCCGGCCACTCAGCATGGTGGTGG
ACTTCAGGGGCATAACCTTACTTTGGTAGTCTTGGAGGTACCCTGCC

Sequence 3358

TCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTNTTTNCCAAATAAAAT
TACTGCANCTTTTGTANAATTTATTTGTGCTACAANACACGTTGCATAGGAANCTATT
TAAAGCCCCCTCGAGGAAAAAATATCCATGGTTTAAAGGNGGCAACCTGGTTTTTGTTC
CTTCTTTTGGGNGAAAAAGGNTGANANGAATGGTNCCTTNTNGGNGAANNAAANTTATTGG
GCGGTTGCGANTTTGNANNAAGCNCCANATTGNGAAAGGGTNTAATTAATTGGGTNTGN
GGNATTGNATTTTGNNCNNAATTTNGNAGCNTGATCCCTTGGGGTCTCCTTTTGGCCA
AGGCC

Sequence 3359

CCGCGGTGGCGGCCGAGGTACATTCATTTAACTGCCCAATGACACACTGAGGTTGTATT
ACAGTATCCCTGTTTGACAGACGAGGAAAAATGAAGCTACAAATGATTAAATAAAATCTGC
CAGGCTGGGCGGGGTGCGGTGGCTTACACCTGTAATCCAAGCACCTTGGGAGGCCGAGGC
AGGCGGATCACAAGTCAGGAGATCAAGACCATCCCGGCCAACACAATGAAACCCCGTCTG
TACCTGCCCC

Sequence 3360

ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTAATTTTTTTTTT
TTTTTTTTTTTTTACTTTTTTTCTACAGATGGGGTCTCACTATATTGCCAGGCTATT
TGGAATCCTGGGCTCACATGATCGTCCTGCCTTGGCCTCCCAAAGNGCTGGACTTACAG
GCACGAGCTGACATGCCTGGCCTGATATGTCAGTTTTCAGTGGTTGTCAGNGTTTCTTTG
TTTTCTCCTCTGTCCTAGGCACTTGTCACTAGGAAAGTGCCTAATGACTCCATCAGGNGT
GGCATTATTATTGNTGCAACAG

Sequence 3361

TGCCGCCTCCCCCTAACTCTGTGCTGCCTGAGCATGCAGAACCTTGAGGGGAGAGATTC
TGACACAAGTCAGTTAGAAAGGGCTACCAACCTTAGCCAGCCTGGCCCTGCAGGAGCCAC
CCCTCACTAGGCCTGTGGCAGCTNTAGAACTAGNGGA

Table 2

Sequence 3362

NCATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTT
TTTTTGATACCTTTCTGAGCTTCCCTGAGAACTCACTTAGGAGACAGTCTTCCCAATTG
TCTGTCTTTTGTAACTTTTTGAAATGTCTGGCCAACTTTTAGTGACAAATTGGAGTTTC
AACATTCTTGGCCCAAGGGGATCATCCAAATCGAGGCCTGCATATTACCTCATTGCTCC
CTCAGTCTGTCTAGGAATCTCATAGGCCCTTCATCCTTTTCCTGNTGGATATCAAATGCT
TTAGAAAGATTTGGGGTTCAGGGTACCTGCCCCG

Sequence 3363

CTCCACCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTGCTTA
TCCATTCACCAAGTTGACGGACATTTGAGGTGTTTCCAAATTTGGCTGTAACTGTTTAT
ATTTTGAGCCCATTTTCATTTTGCTTCCAAAGAGGCTGGTTGACCTAAACACACTGCA
GTTTTCTCTGAAAAATCTGTGCTGGAGTCATACGGAGTGGTAGATTACAGACTCTTTTCT
TGGGACCTCATGAAATTGCTATCACGTTTACAGAACAAAGCTGGAAAGCCACACCAATTGA
AACAGACGNTTCCANTCTCCAAGTTTATATTGCCAACACACAGCCTNTTGAACCCAG
GCCACCAATAAATAGTAATTCAAGGCGCATATTTNAAGTGTCCACCACATTAGNAGAGG
ATTCTGATCTTTTAAACAACACTGGCCACCTTANAGTGTTCAGAAAGGGAATNAGTCGAA
AAGGACTGCTCTGGTTAAATATGAAAGNNGGGGGGAAGAACATTACATTGATGAAGGGG
GGC

Sequence 3364

AGGTACAGTGTCTCCGTCCGCGGAAAAAGAGCCTCTGAACCCGCGCCGGCCCGCAGCCC
CCGTGCCTTCCGGCCGCCCGGGCAGGTACACAAGCTGACAATAATCCTTTTCTGTATGTG
TGTGTTTGTCCGAAATGGATGGGAGGCCTCCAGCCAGTCCCTTCCATTGCTCACTGAAGGG
ACGTCCTGAGCCGTGCGCTCTCCTTTTGAAGTCTTCTGGAGAACGGATTCCGCTAGA
CACCTNCANCATCGCTGACTTTATAAGCGGAAAAACGGGAAAAACGTGACTTTGTAATA
GACAAACATTGTTTTTTTTAATGGGGTTCCATGGGGGGGGCGTNCAGCCTTTTCTGTGTT
TGCTGTGTGCTGTCCAANATGCCCTCTTTGGGCGTNCCTGTTTGTCTCTTCCCNGTGG
TTGGTACCTCGGGCCGGCTTCTTAGAAACTAAGTGGGATCCCCCGGGGCTTGCAGGGA
AATTTCAAANAATCCAAAGCTTTAATCCGATACCCGGTTCGGAACCTCGAAGGGGGGGGG
CCCCGGTAACCAAGCTTTTTTGTTC

Sequence 3365

GGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTCACTGCGGACTTGACTTCTTGA
GCAAGAAGGCTGGCACTGTTCAATTAAGAGAATCACAGAGATGAATCTCACAATGCAGGAA
AACTAGGTCATAATGTCCAGCAAACATGAACATCTGAACTGAGAACCGGCTTTCTGAGGA
CTGCCCATTCTCCTCCACGTGGATGGTGAATCACGTTGATTTGAGCAGCTGTTTCTGAT
GATGAAATACTTCACAAGGTCAGCCTTGCTTTCAGTGGGGGTGGCATANCAGTTTNTCA
ACACCAGGGTTAAAACCGGGAGGTGGTCCCCTTGTCCAAAGATGGCACCCACAATACAG
CACCGGGACTCAACAGACAGGTTCAACTGCATCCCCTTTCGTAAGGGATNTCGTGTAGNT
CTGGTCTTTGGAAGAGGGGCCATTCCCTGACCAATGAAACTCTTCCAATTCCCGTCCACG
NCTGGACGTTTCAAGGGAAACTTGTNGAAAAAGGAA

Sequence 3366

CCGCGGTGGCGGCCGAGGTACTTTTTNTCTTTNTTTTTTAAGTGTGTGGCTGCGGA
CACCTTTCAACACTGCCTTCTTGGCCTTTAAAGCCTTCGCTTTGGCTTNNGCTTTAGGAT
GAGCAGGANCTTCTTTCGCTTTTGGTGCCATCATNNGTGGTGGAGCCAATNATGGCCCAA
TAGGAACAGTTCGGTCTNCANNNTCCANCCTGAGCGACGCAGAAGAACNNGGTGGANT
TTCTGCNATTTTCCATTCTTTAGGGNTTTCATCTNATTTNGGACNTGGGATTGGGGACA
TGTNNGGGTNGCCNGNACCCANCTNGAANGGNATTNTAGCCTTGAAAAACCTNTAGGGGG
GGNTGGTTNANCCCTCAACCCCTGGGGGAAAAGGCCNACAANANNTTGGGTTTNGGGGGG
GGAATTTTTTCCCCTT

Sequence 3367

Table 2

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTGGATTAATTATTTGCTGTTAT
TTTATATTATTTTANACTATGGAAATGATGTTAGACAAATAGCAAATTCAGCGATTTT
CTTATTCGGGGTCAAATGGTTCATAAAGCAGCAGANACAACCTCACAACACCAACAACGC
ATTTGGCCTAGGAACCTACTAACAAATACTACCAAAAACCTCACCACAATACAGTGGGNGGT
TCAAGAAGTTTTGCAAAGGNGACTTCAAAAATGAGGAACATCNTTTGGCCTGCCATCAGG
AAGTTTGACAAAATTGACCCAATTGANGAGCAATCNTTGAANGTNGATCGNCTTCAGNT
AANNTGAGAAGCTGCCANAANAANCTCAAAACATTGGACCATTNTACGGTTCGTTTGGCAT
TTGAAGCAAATTGGNAAAGTTNGAAAAAGCTNANATAAAATGGGGTGCCNTNANGACCNT
GAAGGAAAAATTTTTT

Sequence 3368

CCGCGGTGGCGGCCGCCGGGCAGGTACAACCTACAGAACCGTCAGCCAATTAACCTCT
TTTCTTTATAAATTACCCAGTTCCGGCTGGGCACTGTGGCTCACGCCTGTAATCCAGCA
CTTTGGGAGGCCGAGGTGGATGGATCACGAGGTCAGGAGTTCAAGATCAGCCTGGGCAAG
ATGGTGAAACCCCGTCTCTACTAAAAATACAAAAAAAAAAAAAATTANCCTGTTGTGGAG
GTGGGCGCCTGAAATCCAGCTACTTGGGAGGCTGAGGCAGAGAATTTGCTTAAACCTGG
GANGCANNANGATGAAGTGAGCCGAGATTGCACCACTGCACTCCAGCCTGGGTGACAGAG
CAAACTCCATNTTCAAAAAAAAAAAAAANNAGAANNNGAAAANGTTCTTCGGCCGCTCT
ANAAGTAGTGGGATCCCCCGGGCTGCAGGAAATCCAATATCAAGCTTATTCGNATACC
GTCCGACCCNCGANGGGGGG

Sequence 3369

CCCGCGGTGGCGGCCGCCGGGCAGGTACAAAAGTCGCGGAACAGCCACCCATCTTCGA
GAACATGTCCAGCTACCAAGAAGTCTGACATCAAAGTGGTCCCTACCTCCTGCTGCTCAN
GGAACAGGAATAAGGAGTCTAGGACAAAAACAAGAGCCTGGGGTTTTTGAGCCAAAAAG
CCCAAAACAAATCACTGGAAGAAACGGGTGTTACGGGGCCAGAAGTCTCANAACCCAAC
TTTCATGGGAAANTGCTGGCTTGGNAGAAGGGGGGGATGCCTGGACCANAACCTGNTTTA
ACCAAGGGGAAANAAAGTTGGGTNGGGGGGCCCANAGATTTCCACCAGGTTTTGGNGGGG
TNAACCTTGCTTGCTTGGACNTTGGGAAGCCTTGTTTCAAAGTNCCATTTTGGGAGNAT
TCTTTTNCCAAATGGAAAAATGGANAAAAACCAANAAAAANNAANAAGGNANNTAANAA
AAANANCTAAAAAAACCAAACCTTNGGGCTTNAAGAAGAAGAAAAAAA

Sequence 3370

AATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACTCTCCCTCTTTCTAGGGA
TGTGGCTTCTGAGAGCCAAGTTGTAGTGACTGTCATCTCTTGTGGATCTAGCCACCC
AGCAGGTCTACCAGGCTCTGGGCTGGTGCTGGGGGTTGTCTACACTGGGTCTGTGATGT
GAACCATCTGCAGATTTCTCAGCTATGGGTACCT

Sequence 3371

CCGCGGTGGCGGCCGCCGGGCAGGTACCAGAGGAGGAGATGGATGATCAGAGCCCTGCA
CCTGTTTCTGCAACCCCTGCCACTGGTTCTATGGCCACAAGGAGTTTACCCAGTAAA
GGAGTTTGAGGTGTATCATAAGCTGATGGAAAAATACCCATGTGCTGTTCCCTTGTTGGGT
TGGACCCTTTACGATGTTCTTCAGTGTCATGACCCAGACTATGCCAAGATTCTCCTGAA
AAGACAAGATCCCAAAAGTGCTGTTAGCCACAAAATCCTTGAATCCTGGGTTGGTCGAGG
ACTTGTGACCCTGGATGGTTCTAAATGGAAAAAGCACCGCCAGATTGTGAAACCTGGCTT
CAACATCAGCATTCTGAAAATATTCATCACCCATGATGTCTTGAGAGTGTTCGGATGATG
CTGAACAAATGGGGAGGGAACACATTGCCCAAAACTCACGTCTGGAGCTTCTTCAACAT
GTCTTCCTTGA

Sequence 3372

CCGCGGTGGCGGCCGCCGGGCAGGTACTTTTTGTGGCTTGGTTTCTCGGGAACGTCAT
CTTCTCGGGCGCAGCCATCTTGCCGGCACCCCCCGGTACCCAGGGAACAAATGCTACTG
GGACTCCACACCTACCTAAGAAGCAGCTCTACCCAGACTCCACATGGCTCTCTGTTTTGG
TCTGGAGACCCAGCTGGGGTATCTCCTGAGCCCAGGGATTCAAAGGTTCTGGGCAGAAA

Table 2

TATGCATCCCACGGGACTCTCACTCACTCACCATTTTCTTGAGGGGGATTCCCCTGGG
TCTTGNCCCACTCCTGGGTGAATGGTTGATCTGTCTCACTCTTCTCCGTGATCCGAAGGT
CACACTATGTCACTGATGAATCCTTATGTNTCCACCTGGATGTTCCGGT

Sequence 3373

AGGTACGCGGGTGGCTGGATATGGCCCCATTGAGCAGCTCCCAGACTACAACCGGATCCG
TAGCGGCATGTTCTGGCTGCGCTTCTAGGCGGGAAGCCTATGTAAGCAAGAGGGCAGGGC
CGGGGTTTGTGGTCCCCCCCCCACCACAAACACAGCACTTCGGCTCCTCTAACCTGTGCC
ACAGGTGACCACCAATAAAATCCTCTGCTGAGAAAAAAAAAAAAAAAAAAAAAAAAAN
AAAAAANNAAANAAAAAAAAANANANANANANANANANANANANANANANANANAN
NANAAAAAGGNAAAAAAAAANAAAAAAAAAAGGCCNNCCCNNGGGGGGCCCCNGGGA
NGGTCCCNNGGNNTTTNGGGGGNCCNNGGNAANNNGNNNCCCCTTNNCCCCAANNTTTNN
ANCCCCNNGGCCANANNNGGGAANCNTTTCNTTCNNAANANNNNAAAAATTTACCGGGG
GGGGGGGGGGGCCCTTTNANTCTTNCCCTTNGGGGGGTTTNTTTGNGGGATTCTNCTTGA
CCCCAAAAGNTTTAGGNTTTCGGAACCCTNNTTGGCCCCNTTTCCCCAACCNNGGGN
NNAANAGGGAANCCNTTTNAAAAAAAAACAAAAAAGGGGGGAAAAAGNAAAAAA
AAAAAGGGAAGNAAGG

Sequence 3374

CCGGGCAGGTACGCGGGGGGACTTACAAGATGGATAGGACCTGGTGGCAGCTGTCTTGA
GGAAGCCAGAGCCTGGAGAGACAGATCTCATGTTATAGCAGAGTACCTCGGCCGCCCGGG
CAGGTACCTGATGTTCCAGGCCCGCATGCAGTTGTTACCCAAACACAGTGATGGTCGAA
ACGGTGACACACCAGTTACACACACTGCAGTGCTTGGATCGAGCTGGTTTCCTTAAATC
ACAAGTAGAGCACCTCACGTTCTTTGGAACATCACTTCATCAAATTCATAAACATGAAG
AAATAATAATTCAATTTGCTTTTGTATAATGCCAGGATTGGTCCACAAGTCAGGGTGAA
AAAAACAGGTTTACACCTAGCAGCAGATAGGGCAGAAGAAGGTAATGCAAGGACAACCTC
CAGCTCCTGACAGTANCCAAATACTTCCAGGTGTACCT

Sequence 3375

CGAGGTACGCGGGGTTGAGTGAGCAAGTGAAGACCAATATTCAACAGGCAGTTGCAGCTG
CTCCCTGGTGGTTACCTGTGAAAGGCGCTAACTGGAGACACCCAGAAGGGCCTGACTCTA
CTATTCTGCACAGGCCGGATCATCCAGTTCTCCATGTGTCTGGAATGATGCGGTTGCCT
ACTGCATTGGGCAGGGAAGCGGCTGCCCACGGAAGCTGAGTGGGAATACAGCTGTGAG
GAGGCCTGCATAATAGACTTTTCCCTGGGGCAACAACTGCAGCCCAAAGGCCAGCATT
ATGCCAACATTTGGCAGGGCGAGTTTCCGGTGACCAACACTGGTGAGGATGGCTTCAAGG
AACTGCGCCTGTTGATGCCTTCCCTCCCAATGGTTATGGCTTATACACATAGTGGGGAA
CGCATGGGAATGGACTTCANACTGGTGGACTGTTTCATCATTCTGGTGAAGAAACGCTTAA
CCCAAANGTCCCCTTCTG

Sequence 3376

TCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCTCGCCCGGGCAGGTACCACATGC
CCGTAATCCCAGCTACTTGGAAGCTGAGGCAGGAGAATCTCTTGAACCTGGAAGGCGGAG
GTTGCAGTGAACCAAAATCACGCCACAGCACTCCAGCCTGGGAGACAGAGCAAGGCTTAG
TTTTAAAAAAAAAATCAAATATTGTGTGATTCTGTTTATAGGAAATATTCAGAAATTGGCA
AGTCCATAAGGACAAAAACCAGATTGACAGGGGCTGAGATGAAAAAGAGAATGGGGTATG
GGGAGTGACAGCTTGATAGGTATGGGTTTTGTTGGGGGAGATAATGAAACATTTGGAA
CTAGGAGAATCACCTGACATCAGGAGTTCAAGACCACTGAACTCGAACCTGGGTGACAGA
GTGAGACTCCGTCTCAGAAAAAAGAAAATGTTTGGAAGTAGATGGTGGTGGTTGTACCT

Sequence 3377

GGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACTTTTAGTAAGAGACAGGATTTCCG
CATGTTGGTCAGGCTGGTCTCGAACTCCTAACCTCGTGAGCCACCTGCCTCGGCCTCCCA
AAGTGCTGGGATTACAGGCGTGAGCCACTGCGCCCGGCCAGAAACCAGATTTCTGAAGCC

Table 2

TGGACAACCTAACGTCTACTTTTTCCACAACCTCTCTTTTCTAAATTTCTAAAAATCA
CCCAGCCTCACCAACCCAAACATAACCAATGTTAACACTTTAAAAATTTCTGTGTCAGTC
TTTTATTATCCCAATAAATTTTTATTTTGCAGGATTATAATCACCCCTGTATATGCAAAT
TCTTATTACTGTGGAATAAACATTTTCTCTATCACAAAAAAAAAAAAAAAAAAAAAAGG
TNCCT

Sequence 3376

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGGGCAGGTACGCGGGAGGCTCT
GCTTCTCCAAGGAAACCGCCTAGTTTACTGTTTTGAAATCAATGCAAGAGTGATTGCAGC
TTTATGTTCAATTGTTTGTGTTGTCTGTTTGTTCAGAACCTGGAAAAATTCAGA
AGAAGAGAAGCTGCTGACCAATTGTGCTGCCATTTGATTTTTCTAACCTTGAATGCTGCC
AGTGTGGAGTGGGTAATCCAGGCACAGCTGAGTNATGATGTAATCTCTCTGCAGCTGCCG
GNCCTGATTTGGTACCTNGGCCGCTCTANAACCTAAGTGGATCCCCCGG

Sequence 3379

TCCNGCGAATTGGANTTTCACCNCGGTGGCNGCCCGAGGTAAGTGGCAGGGCTGTGNGATT
TTTCTTCTCTACCAGTAAGTAGCAAATNTNAAATTTCTGCTGCTCAGACTGAACAGGGCA
ACACTGAGACTCAGCCTCAGCCTGTCTATGGCAGGGCTTTACTAGGGTGGTATGTTTCAT
GTAATTCCAGCGCCTTCACAATTTAAGCAACCAATTTACTATACTTCACTTCTAAAAAC
CTAGATGAAACATGAAAAAGAGNCATACAGTATAAATTGCAACTTCAGGAAAAGNTCCT
GCTTTATTATTCCAAATAATTTTNCATGTAAATAAATGTCCAATAGGTTCTGGTAT
GTGGGAAGATAATGTTTGTAAAGAGTCANAATGAAGCCTTATTGACCGAGGGCTTGGCTA
TATAACAGNNGCAAGTTGAGNAAAAAGTTTAACTCCAAACNTATTTNGACTTGGATGG
AAAGTAAAGANGCAGTAACCGGNCACCTTGCACATTNCAGGGANGTCTCA

Sequence 3380

TTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGNTCCCNCTGNGNNGCAGGCACA
TAACTAAAATCNANNTTNAGNCCANCCACNCCTTGACATNAGNGTGNCTCAGCCNGNAT
TCATNTGCNGAGANTCAAGTNTTGGTCCATAAAGGATCATTCTATNTTAATGGCTCATC
TTTAAAGTCCTAAGAGAAATATGTGACAGGTAGTTACTGTGCTAGGGATATTTTCTAC
CTTTTTCCCTATNGTTGAAGTGTGCGGCCACAACAGCTTCTGGGCATGTTGAGCCTCAAA
ATCACCACCTACCAAAAAGGGCAAACTAAAAATCCCTATAAAATAAAAAAGAAAGTTCC
CCCAATGTTTATGTCATTTGACAAAATATTATGGGTATTTAGCAAATGAATAAGAAA

Sequence 3381

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTGGGGATTTT
TTTTTTTTTTTTTTTTTTTTCTNTGGGGANTAAATGTTATTTTATTTAAGGNGGGA
GAAATAATAGCATGGGCCAATGCTAAGACATATGAAAGCAATAGTCTGGTAGTGCCTANG
ACACANTATAATAGTAAGNGTCTGACACATAGTAGCTATTCAACAAAAGTCATTTAAAAA
TTAACTTAAAAATTCAGTAATATTTTTTCC

Sequence 3382

ATAGGGCGAATNGGAGCTCCCCGCGGTGGCGGCCCGAGGTAAGTGCCTTCTACTCTGCCAG
GCTCCCCGGTTACAGAAGTCTATGCTGTGACAAAGACACAGGCATGAATGCTGTCATAG
CTTACAGCATCATAGGGAGAAGAGGTCCTAGGCCTGAGTCCTCAGGATTGACCCATAAAA
CTGGCAACATTACTTTGGAAGAGGCATTGCTGCAGACAGATTATGGGCTCCATCGCTTAC
TGGTGAAAGTGAGTGATCATGGTTATCCCGAGCCTCTCCACTCCACAGTCATGGTGAACC
TATTTGTCAATGACACTGTGAGTAATGAGAGTTACATTGAGAGTCTTTAAGAAAAGAAC
CAGAGATTAATATAGAGGAGAAAAGAACCAAAATCTCAATANAACCGACTCATAGGAAGG
TAGAATCTGTGCTTGTATGCCACCTTAGTAGCTCTGTCTGTAATAAAGCTTGGGGTTC
CATCAGCTGGTCACAGGGATGGGCATATTCCATCTGGTTAAGGNAAG

Sequence 3383

ACTATAGGGCGAATNGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTAAGTGCNNTG
GNANACTTGANAGGGCACGTNTCTNAGACTTCTGGANAGACCATTNNAGGCTTCTGGC

Table 2

Sequence 3384

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACTATTTGATCAG
AATACTAAAAAGATTGCCACATTCTGTTTCTTAAGAACAACTGTTGCTCTCTGTATGCA
GATCTAGCCAAGAGAAAACATATGTGACAAAAAGACTGTTCTTATTAATTTCTAAAGAAC
AGATCTTAAATTTACAAAAAACAAGTACAGGTAAGCCCTGGCTGCCTCC
ACCCACTCCNAGGGAGACCAAAAGCCTTCATACATCTCAAGTTGGGGGACAAAAAGGGG
GAAGGGGGGGCAGCAAGGCTCATCATTCAAATAAAACAAAATAAAAAAGTATTAAGGCG
AAGATTAAAAAATTTGCATNNGATAATTGACACAGAAAGCAATGCTANGCACCTCCCN
TGTGTGGACTTGGGAGAGGACTGGGCCATTCTCCTTAAAGAGAAGTGGGGTGGCTTNTAG
GATGGCAAGGGACTTCCTGTAACAACGCATCTCATATTTGGAATCCCGCGTACCT

Sequence 3385

CCGCGGTGGCGGCCGGGCGCGGGGGTTAACGCCTGTAATCCCAGCACTTTGGGAGGCCAA
GGTGGGAGGATCACGAGGTCAGGAGATCGAGACCATCCTGGCTAACACGGTGAAACCCCG
TCTCTATTAATAAATACAAAAAATTTGCCCTGGCGTGGTGGTGGGCGCCTGTAGTCCC
AGCTACTCGGGAGGCTGAGGCAGGAGAATGGCGTGAACCTGGGAGGCGGGGCTAGCAGTG
AGCTGAGATTGCCCAACCGCACTCCAGTCTGGGGGACAGAGCGAGACTCCGTCTCAAAAA
CAGACAAACAATAAACAAAAAATTCCTAAATATCCTATATTGCACAGGGCAGCCC
CTCCGACCCCAACAAATTATGTGCTCTAAATGTCAACAAGTCTGAGGCTGAGAAACCTT
GCTCCAGGGGAACACGGGGGCATGGTAGAGACAAGAACAAGCTATTAGGAGAGAGAGCAT
GCACTCACCATGACCAGTAGGCTGTCTCAGGTGGAAGTAAGGTCTTAGAGAATGAAGAC
AGTATGGGAGGAAGATGATGG

Sequence 3386

CGAGGTACACTTGGAGGAAGGCCAAGCAGGCGACTTGAAAGATAAGTGCCCCATTGACCT
TTTACTTAGAGTTTTATATGTTGGCTTACTTCTGGGTTCTTACAACCTTCTCTGATTCT
TCCCTTGTGGTTGGCTGTCCATGTGTGTGCAGTGGCCTGCTAGTCTTGGGAGGTGAGCA
TGTGCAGTGTGTTTACTGGAGTTGTACCTGCCCC

Sequence 3387

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGAAGATAAAATTTGA
AATCTGGTTAGGCTGGTGTAGGGTCTTTGTTTTGGGGTTTGGCAGAGATGTGTTAA
GTGCTGTGGCCAGAAGCGGGGGGGGGGTTTGGTGAA

Sequence 3388

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCATGGAGGCTGATGGGGCCCCGG
CGAGCAGATGAGACCGCTACTACCCGGGGTCTGATGAAGAAGCTGTTGTGGATCTTGG
CAAACTAGCTCAACTGTGAACACCAAGTTTGAAGAAGAAGTGAAGTCATAGAGC
TGTATATATTGGTGTTCACGTCCCGTTTAGTAAAGAGAGTCGCCGGCGTCATAGGCATCG
CGGACACAAACATCACCACCGAAAAAAGGTCCT

Sequence 3389

CCGCGGTGGCGGNCGAGGTACATATAAACACCCCTCACATGCTAGACTAACTGCTGAACT
GCCCATGCACAGGGGAAGTGCCACAGATTCCAGCAGAGATTTCAGTAGCTGCCTGCTGTG
GGAGAGAGGGAAATTTGGAGGTGGAGTCTTGTCAAGTTAGAGGCGATTTCGATAAACACCTT
GGACTTTGCTTTGAAATCCAGAAGGGCTACCCCTTAGGGGCAAATACTACTCCCCAGGG
CTATGGCATTTCCTTAGGACTAAGGGCAAAACAAAATAAAGCATAAAATTGTGCCTAC
ACCAGATCTACAGGTGATTTAACTGTCTACTAGAAAAAAGTGAATTCTGCAGAGAAAAC
AGAATCCAGAGCCTCTACAACTATCACCTTCAACATCCAGTATAAAATTAAGAACTAC
TAGATGTGAGAAGAAACAGGACCCTGTGACCCTTACTGAAATGAAAACTCAGTTAATAGA
AACAAATTCACAGGTGAACAGTAACTTTAACTATGAACAAATATGTTAAAGAATTTACA
TGAAAAAATGGGTGAA

Sequence 3390

CCGGGCAGGTACTGCTATTATAACAAGTAATATTTCCAGACTGGTNTGAGACAGTCACC

Table 2

CGTGAATTCANGTATTTNATCATCTATCANCCTTTAAATNTTTGNTTGTACTCTAAA
 AAAAAGTTNTATTTTGGAGGAGAAAGGTAATNTTTCCAGTTNGGTGTTNCACACATGG
 NTGGTTATACTAAGTAAAGATCATCAATTCAATTTGACATGTATATTANCCCTGTAAA
 TACCTCATGTCCCANATACTAAGNCAGACTTCCACCTAAGCCTACANGANGACGCAAATT
 CTCAGGATTTTCACACTAGATTATTTAGAAAAACAAACAAAGATCTGAATTATTNTATAAT
 CTAGTGCTNAAGATTCTAAAAGCCGAAATAACCTCTGCACATGCAGAAAAAGCTGGCTTC
 ATCAANAGTCTGCCTGGCACATTAGGACNGACCCTGTGCCAATTGCTCAAGCGGGTNANA
 CCTGGCCATCCTCCTCACCAGCTTGGGNGAGCTGGTANGTTTCTTACCTGAGCTTCCAG
 TNACGCTGTGGGGNAATCTTNAGAANGGGTCCCAACCATTCTTAATATCCAAACCAATA
 GGCATNGGNTNTTCCCTTNGNAAAAGAATTAATTTCCATTGAGTCTAAGGGGGAAAA

Sequence 3391

AGCTCCACCGCGGTGGCGGCCGAGGTACTCAACATTGGACTTTTCTACTCCCAAAGCCAG
 ACCACACTCCCATAGCATGGTGCTCTGTAGAAGACAGGCAGTTTAAAAAAGACTTCAGAG
 GCCGGGCACAGTGGCTCACTCCTATAATCCAGCACTTTGGGAGGTGCGGCCATGACAGG
 CTTTGTCTGCCCTGTGCCTCAGCTCACTCCTCACTCTGTTACCCAGGCTGGAGTGCAGT
 GGCACCATCTCGGCTCACCGCAACCTCCGCTTCCCCGGTTCAAGCGATGCTCCTGCCTTA
 GTCTCCCAAGCAGCTGGGACTACAGGTGCCACCACCGCTGGCTAATTTTGTITTT
 TAGTAGACGGGGTTTACCAGCTTGGCCAGGCTGGCCTCGAACTCCTGAGCGACAGAGTG
 AGACTTTGTCCGAAAAAAGTTTAAACAGGCAAAAAATAAACTATGGCGGNGGG
 GGTGCCGGGTGGTNAGAAAAAGTTAAAGGGGCTTG

Sequence 3392

CCGCGGTGGCGGCCGAGGTACTGGGAATGGGAAGTTTTCTGAATAAGGGTAACATGGGGC
 AGAATTTGTCTATTGAGGTGCAACATTATGTGCATTTGCTTAAAGTTTTACTTAAACAA
 CTGGTGCTCAGGTAGTTCTCAACATTAATTAAGATGCTGAAGAAGGTCACTATACATA
 ACCCGTGGTTTCCACAGACAGGCAGTCTTGATGTAGAAATTTGGGACAGAGTAGGACCAG
 GATTAACCGGGCTCACCAAAAAGGTCTTAAATTTGATCTTTTGTITTTTCTGCTTGG
 AGTTTAGTCCGTGCTGTCTCCTGCCATTATCTTCTTATTCTGCTAGACAGCAGGAA
 TCATATTCAGTCTAAAAATCTGAAAAATATTTTGTCCCACCCACAGTACCTGCCCG

Sequence 3393

TCCTATAGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGTTAAGCAAGATTTT
 TGAAGCCATTGCACTGCTTCCCTGGCTTCTTCTGGTCTAATCCTGAGGCTCTCCTCTC
 TCTTCTGGTTAAAGACCCCTGGATGGCTTCAGAGCAACAGAAATCTCGGCTCCTGGTTGA
 AGAGGTGAAGAAAAGCCCCGCGTACGAGAAGAAATTAATGTGACTTCGAATTTAAAGC
 AAAACACCGAATTGCTCATAAACCGCATTCCAAACCAAACTTCAGATATTTTGAAGC
 AGATATTGCAATGATGTGAAATCCAAGGATTTGCTAGCTGATAAAGAACTGTGGGCTCG
 ACTTGAAAGAACTAGAAAGACAGGGAAGAA

Sequence 3394

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATCATTTTGAAGGGAAAC
 ATATATCCCCCGGGGAAGTTTCCAGTGGGATGGAAATTCGCTGCCACCGGTATGGGTG
 GATGACTGAAGACTTGATGCAGGACTGGTTGGAAGTGGTGTGGAGACGGAGGACAGGAGC
 AGTGCCCAAGCAGCGAGGGATGCTGATCTTGAATGGCTTCCGGGGCCATGCCACAGATTC
 CGTGAAGAATCCATGGAAAGCATGAACACTGACATGGTGATCATCCAGGGGGTCTGAC
 CTCACAGCTTCAGGTGCTGGATGTCGTGGTCTACAAGCCACTGAATGACAGTGTGCGGCC
 CAGTACCTGCCCG

Sequence 3395

CCGCGGTGGCGGCCGAGGTACTTTGTTTCGTTTTGGTTTTAGTTTTGCATTTAGAGTGCC
 TTATAATTGATGCCTATTTTAAAGCATTCTTTTACGTTTTGGTTCGATTTCCATTCC
 ACTGTTTCGTATCTGTACTTTCTATTAAAGCATTATCTGTTTACCACATGTACAATGACA
 GTAACAGCCGCGTGGTGCTGCCAGGACTGCCCTTGGGCATATCAGTGACAGCCCAATGT

Table 2

GGGTGGAGGAAACCTGTAATTTCTTCTTAACATGTGTTTGAAATACCAAGTGAATAATA
CTGTTCTGGAAAAAATGATAAACTAGTGGAAATTAAGAAATTAAGGGTTTATATAAT
AGACAGGCCCCACCTCTCAAAATATTTTGAAGTCTTTTGTAACTAATTTCTTTGA
TCACTATTTTGCATCAGTAAATGATTTTTTAAAACCAATAAATCATCAATTATTAGAA
AAAAAAAAAAAAAGTACCTGCCCCGGCGGCCCTCTAGAACTAGTGGATCCCCCG

Sequence 3396

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACCACTCTTTA
CCAACTGCTAAAGGAATCGAAACCTTCTCCAGAGGTCAAATGGTCAGGAATTCGAGTAA
GGCACACTCTCAAATCCTTAGTAAGGCCAAATATCTTTTAAATTCAGCATCACTCTTCA
GATGTAATGCCCTTATTACTCCTTCCCTTGAGAATCTTTCTTGTCATTTCTTCTTGGGCAC
CTTTATCTGATGTTGATGCCATCTCATTATGGATCTTTGGTTCTTGGTCTCTAAAAACAC
ACTGTTGTGAAGTAACAGTTGTTGCATCAACAGAGGAACCTATTTTCTCTATGCTCTGGA
GGACACTTCCCTTTCTAGCATAAATGACGGCTGTTACTTTTCTGGGGGCATTGTGTCTGT
TACCT

Sequence 3397

ATACGACTACTATAGGGCGAATTGGAGCTCACCGCGGTGGCGGCCCGAGGTACGCGGGG
AGAGCGCGGTTACCCTGGCAATATTGGTCCCGTTGGTGCTGCAGGTGCACCTGGTCCTCA
TGGCCCCGCGGGTCTGCTGGCAAACATGGAAACCGTGGTGAAA

Sequence 3398

GTAATACGACTACTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACTGG
ATTACAGAAGCATAGAGTTTCCAATATAACACATTCTGCTAAGTCAGAAACAACTATGT
TTTATTTTATTTTATTTTATTTTGGAGACAGGGTCTTGCTCTGCCACACAGGCTGGAG
TGCAGTGACATGATCATGGCTCACTGCAACCCCGAATTCCAGGCTCAACCAATCCTCTC
ACCTCAACCTCCTGAGCTGCCGGGACCACAGGCCTGCATCACCATGCACACCCAATTTT
TTTTAATTTTGTAAAGACATGGTTTCCGTTATGTTGCCCGGGCTGGTCTCAAACTCC
TAGGCTCAAGCAATCTCCCTGCCTCGGCCTCCCANAGAGTTGGGATCACAACATGAG

Sequence 3399

CGAGGTACGCTAGGTAATCTTAGTTCCTTAGTAAGATTAACCTCTTGTACCTCTCATGT
CTGTTGAGCACCAAATTGTAAAGGCAGCTACAAATCCCAGACTTTCTCA

Sequence 3400

ATACGACTCACTATAGGGCGAATTGGAGCTCCACCCGCGGTGGCGGCCCGCCGGGCAG
GTACGCGGGGAGTGAAGGTCTGCTGGAGCAGAGAACTGACACTGACAAGAAGAACGAGA
ATGAGAAACCCTGCGACGAGTCTGCTGACAGCTGATATAAGTCTGCAAAATCAGCTGGAC
CACCAAACGGCAATTGAGAGCTGCACAACCTGCAATTACCTTTATTCAATTAATGCAAAA
ACAAAAATGGGGAGATGTTACAGGCCGAAAGAATGAAGGTCGTGACCAACTCAGTATACC
ACTGAAGGCTATATGAGCAAACAGAAACTGTTCTCATGAAAGCAGGATGTTGGAAAACT
AACAACTGTGTCTGCCGCCAGAAGGGTTGCTGAGGGCAGTCATGC

Sequence 3401

CGCCCCGGCAGGTACGCGGGCAGGCTCAAAATAAGGAATGGAGAAAAATTTTCAAGCA
AATGGAAAAACAGAAAAAGGTGTTGCACTCCCAGNTTCTGACAAAACANACTCTACCAAT
AAAGATAAAAAAGAGAAGGACATTACANAGGTGGTCTGACCTTTGATAAATCTCATTA
TTGCTTGATACCAACCTGGGCTATTTGATTGCCCAAACGAATAGGATAATTTTGTGAN
GTTGTGGANCTTCTCCCTTCACAGAGNCCCTGATCTCCGA

Sequence 3402

CGAGGTACATGACAAAACAGGCCTTTTAATTTACATCCTCTTAAATTCTCATTAAATC
GCAGGGTTTTTGTGTTGAAAGACAGTCCTTTTTTATTTATTTTGAAGGAATGAGTTA
GGGACCCCTTTATAACTCTCTTGGCTCAGACTCGAACCCCATGGTAAAGTCACCTTTCC
GCATCTATCTTCAGGAGTTGCTGGGACTTGTTACTGTGTAGCTGCGTGGGGATTCTGGTC
TGCTCTTGGAACCACTGGCTGGTATCCTTTGTGCGTTCTTAAGCAGCTCAAAGATAGAAT

Table 2

GTTGCTGGTCTGCTATGGGTAGTGGAGCATAACTCAGCCCCAACTGGACTCCACGGGTG
GCTGAACCATTAGTAAGTTGCTAGGGGTACCTGCCCCGGCCGGCCGCTCTAAGAACTAAG
TGGATCCCCCGGGCTGCAAGGGAATTCCAATATCAAAGCTTATCGGATACCCGTCGGAC
CCTCGAAGGGGGGGG

Sequence 3403

CCGCGGTGGCGGCCGCCGGGCAGGTACTCTCTCTCTCTCTCACACACACACACACAC
AC
AGTTTTACTTATAACTTCACTGAAACACAGCTTTTGCTTATTCTAGTTTAGGAACCATGA
GTGATATTTTGGGAAACCTTTTATGGATTTAAGAAATGATCCCTGGCTGGGCGCGGTGGC
TCACGCCTGTAATCCCAGCACTTTGGGAGGCCAAGGTGGGTGGATCACCGAGGTCGGGAG
ATCGAGACCATTTCTGGCTAACACGGTGAAACCCCGTCTCTTAAAAATGCAAAAAATTA
CCAGACATGGTGGGGGGGCACCTGTAGTCCCANGCTACTTTGGGAAGGTTAAAGCAAGACA
ATGNCGTNAACCCCNNGGGAAGGCGGAGCCTTTGCAGTGAGCCCNAAATTANCAACCACTT
GNACTTNCAGNCCTTGGGTGGAAAAGAACC GAAGACTTCCCCCCCCAAAAA

AAAA

Sequence 3404

CGAGGTACACTGAACNACAGCACAGAGAAGTCCANATGCCGAANGACAAGAGGGGCCAGG
CCAGGCCGTGAAAAGCTTTGTGCGCTGAGGTGAGATTGGNCTTGACACTGNAGACANAA
GAAATGTNCTGTACCTGCCCCGGCGGC

Sequence 3405

CGAGGGTACAACAGATAAGTCCTCACAACTGTTCCAGCCCTAGGCTGACAGGAGAGAC
GAACAGGCTGTCCACCTTTCTTCTCCATCCAATGGGATGGATCCATGTTCAATCCCACTT
CACACCTTGGTCCTGCTGATTAGAGAGCTCATCAGAGGGGCCTGGAAAGGCTGAGCAAGT
ACCTGCCCCN

Sequence 3406

CGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGNCTGNTTAGCTTTTAGTAAGTCCC
GGGAACGCCTGTGCTGGTGGTGACGATGTTTGTGAGGCCGGTCGCTCCGATCTGATCCAC
GACGTTTCGTCGTTCTCCCTTCGGTCTAGTTTGAAGGCCATGTCATCGGAGAAGGTGTCCG
ATCAGAGCTGATATCATCACTCCACCAAAGTTTGATAACTGTGCCAGGGATGCTG
CTTCGGGGGTNACCAACCCCATGTCTTTGGAGTGTGGACTTATGCCGCTTGTGCTTCG
ATACCAAGCGGTGACNCTCTNTGNTGTTAGAGCTGCCGCCTCCCGATGACGGCTGCAAG
TTCCAGAAGCTTCTTCACTCCCGTACTTNTTGGCCCCATGTCTNTNTGAATTGGGCATT
CCTTTCCCCTGACCTGAAGAAAGGAAAAAGTTTCCAGNACTTCAAAAAGCAACCCCC
NCCGCGTACCTGCCCGGGCGGCCGCTTTAA

Sequence 3407

CCGCGGTGGCGGCCCGAGGTACAGGAGGCATGGCTGGTGAGGCCTCAGGAACTCACAAT
TACGGTGGAAGGGCAAAGGGGAAGCAAGCACATCTTACGTGACGGCNNGANAGACAGTG
AGTGAATGGGGAAGTGCCACACACTTTTAAACCGTCAGATCTCATGAACTCACTCACT
GTCACAAGAACAGCCCCCGCGTACCTGCCCCG

Sequence 3408

CCGCGGTGGCGGCCCGAGGTACCACATTGCCTGGAAATCCACTTGTGCATTAACCAGAGCT
TTAGCAATCTGTGCTGAGTTTGAAGTGACATTATCATCTGCTGTTCCGTGGATGAGA
AGATAGTCTACATTTCTGAAATATTCTGCTCTTGCCATCACAGTTGAATCTTATAGTGC
TCAAGATTATCATCCTTTGTTGGGAGACCCATGAATCTCCCTGTGTAGACAGACCGCCGT
AATATTTCCAGCTGGAGACTGGAGTCACTGCTATACCACATTTGAAAAGACCAAGTCCAG
ATGCAAGGGGCCAAGTGATGAAACCGTATCCTCCATAGGACCAGCCCCATATGGCTATTC
TTTTTTCATCAATGAAACCCATTTCTATGAATTTCTGACAGCTGTAATCTGGTCTTCAA
CTTCATAAACACCCAGCTTTGATACACTGCATAGAGGAAGTTTGTACCTTGGAAAGGC
TGTTCTCGACCATCCACCAAGGCAATGACCATCCCTTCCTTACTTGCAAGATAAGATAT

Table 2

CCCAATTAACAGCAAATACAGACCTTACACTCTGACTGNAGGGGGCCACCCATACCNTGG
ATCAAGTGCCGTNCATCATGAAAGGGTGGGAAATGGGGGATCCCTGGCCAATGTTTTNC
CAAAATTTAGAAANGGACAAAAGGTTTCATCTTCTANTCCCCATTGGNAACCACAGTTTG
GNGGAATGGATTGANCCCTCCACCGTGGGCCATNTTCGGGTTTCCAAGNCCGTTGTTTAT
TTCCCCGTGCCAAACAAGNGCCTTAGTACCCTGCCCCGCCGGCCGCCGGCCGNGGTCTT
TTTTTTTTTTTTTT

Sequence 3409

CGCGGTGGCNGCCCGCCNNGCAGGTACGCGGGGGAGGAACTGCTCAGTTAGGACCCAGA
CGGAACCATGGAAAGCCCCAGCGCAGCTTCTCTCCTCTGCTACTCTGGCTCCAGATAC
CACTGGAGAAATAGTGATGA

Sequence 3410

AGGTACTTTTTTTTTTTTTTTTTTGGAGACCCATCTTCTTTAAAGAAGTAAAATTTGTA
AAAAGACTAAAGAGAACTGAATGACTGGGAGAATAAGTTACTGGAGAGAAAGGATGATTT
CATTCAAGGCTGCTCTTGCTGTAAAGTCTAAACAGGATGGGACCTGTTTACCGTTAAACA
CACACACAAGCGTGACGTGCACGCGCGCGCACACACACACACACACACACACACACACA
CACACACACTCAAAGAAAAACCTAGAACCAGATGGCTTCACTGAAGAATTCTACCAAA
CATTTAAAGGAGAAATTAATACCAATCCTCTGAACTATTACAAAAGTTGAAGAGGAGGA
ACATTTCTAAATTTATTCTATGAGACCAATATTATCCTAATACCAAAGCCAGACAAATAC
ACTACAAGAAAACCTACAGAACAAATTTTTCTGCTGAATATTGATGCAAAAATCCTCA
ACAAAATCTAGCAAACCTGAATTCAAACAGNNCCTGCCCGGGCGGCCGCTCTAGAACTAA
GG

Sequence 3411

CCGCGGTGGCGGCCCGCCCGGGCAGGTACAGCTAGTAAATCTTGATGTTTATAGGTTTCATC
AAAAAGCTCTTGATGTTTATAGGTTATTATTTCAAGAACAGCCTGTAACTTATGATAC
AGTTGAGCATATAAATTGGGGTGTGGTATCCCCATTACCTATTTTGTGCCTAGGTAGCTG
GCCCATAGTATTTAATGATTTTTTCAGGAGGCCATTGATTATTTTCTAGCCTCCTATGT
CTATGTCTTTTTGATATTTATATTTATTTTGGAGATCATTGCTCCTTTTAGTTCTTTTA
TTCTATTATAGACTGGATATCCTAAGAGTTCCCCTTGCTTTAGAGGAATTAGGAAAGAA
GGATGGCTTGATTGTTCCCTAATACA

Sequence 3412

CCGGGCAGGTACGCGGGGGCGACCGGGGTTTCGGCGCTCGGGTGAGGAGCTGGTGGCGTCG
GCAGGTTTCAGGGCGATTTCAGCTCCAGCTAGGATGATCGAGGTTGTTTGCAACGACCGTC
TGGGGAAGAAGGTCCGCGTTAAATGCAACACGGATGATACCATCGGGGACCTTAAGAAGC
TGATTGCAGCCCAAACCTGGTACCTCGGCCGAATGTTGCAGGCTACTCTCTGCCGACCAGG
CCGCCGCCCGTCCCTCGTGACTACCCCCGCGTACCT

Sequence 3413

AGGTACTGAGAGCCTGAGGACATAGAGCTGATGCAGAGGTGGTCTCATGGACCCTCACC
CTCCATCTATTTGTAACCTATTTTAAACGTAGAGTAAGACACCTTGAATGTTCTTAAAGG
NAATGTTATATGCTGCTTTNTNAAAAANGATGTGCANTAAAAAATACTGCNGTANT
TTCTANAACCTTTAATGATTTTTAAGTTAGACATTTTAACTTTTTTCAAATATTTAA
AGNCCCCATNNTTCTGTATAAACAAGCCAAACGTAACTGGGGGGGGGATNNGCTTAT
ACAGGGGTGNAAAACACCCACNANCACNTTACCCCCATTGTTCTCTAGGGGNGCTTTTT
TNCAAAGCGNAGNGAGGCTTCTTTTTANNAAAAAANANNTTNGTTGTTGTTAAGAACC
GCCCCTNNTANNNTTGGAAAAAATCCCCAAGNAAANTTCAAATTTT

Sequence 3414

GAGCTCCACNGCGGTGGCGGNCGCCCGGGCAGGTACTAAGTTGAAGTAAAGCTCACCCCTT
TACTTCCCTACTTGAAAGTTCTACTCTGAGCCTTGACTCTTATCCACAGTGAGGCATGTN
GAAGGTTCTGCTGGTTTATNCTTTTTNTTTTTTTAGACAGAGTCTCACTCTGTTGC
CCAGGCTGGAGTGCATCTGGCAGGATCTNGGTTNACTGNAANCTNCNCCTCCCGGGTTNA

Table 2

TGCCATTTTCATTCTNANCCTCNCAAGTGGCTGGGACTGNAGGCACCCGCCACCANGCC
TGGCTAATTTTTGTATTTNTAGTANAGACAGGATTTNACCATGTTACCCAGNATGGTCT
NGATCTCCTGACCTCGGGATCCGCANAGGCGNGNNTTCCAAAATGCTGGGACTACACGT
GTGANCCACCACTNCCANACANTCCNCCTTCTNGGCCAGTTCTAAGAACTANGGGGATC
CCCCCGGGGCGNTGGAGGGAATTCGNNNTTCNAANCTTTNTNNNNACCCNTCNAACCTCN
CAAGGGGGGGG

Sequence 3415

AGGTACCAAACTAGGTGGCTTAAACAACCGAAATTTTCTCACAGTTTAGAAGCTGGA
GGTCCAAAATCAAGGTGTTGGCTCTGACTGCTCTAGGGAATTATCCCGCTTGCTGCTTC
TAGTGTGTTGCTAGCAATCCCTGACATTTCTGGCTTGTAGATCACTAAAGTCACTTAGAT
TTCCTCTACCTGTGTGCTTCATATTATTTGCTCTCTGTGTATGTTTGTGTGTCCAAAAT
TCTTTTGTAAAGGACACCAGTCATATTGGATTAGGGCCCATGGGAATGACCTCATTTTAA
TTTTAATTTTTTTTTGAGATGGAGTCTCACTCTCTCGCCAGGCTGGAGTGCAAGTGGC
ACGATCTCAGCTCACTGCAACCTCCGCCCTCTGGGTTCAAGCAATTTCTNCACCTTAACC
ACCCGAGTAGCTGGGACTACANGTGCCCGGCACCACGCCTAGCTAATTTTGGGGATTTTT
AGTAAAANGTGAGGGTTGCCATGTTGTGGGCATGAACCTNCTGGACTTAAGTGATCTGCC
CTACTTNGGCCTCCCCAAAAGGCTNNGGATTACNNGGCTGGAGTTACCCTTGAACCTTTT
CTNNGGCCCTNATTTTNAATTTGGATTACCCTTTGNGGAANAACCTGTTTTNTNAAATAA
AAGGGCACAATTTCTGGAGGTTANCTTTGGGGGATTAAGGANGTTTAAANAAANTTTTTT
TTTT

Sequence 3416

CCGGGCAGGTACGTGGGCCTGACTCCTCCTCGGTGCCCAGCTCAGTATTGGCAACTAGGA
GAGTAGTGAGATTGAACTTGGCCTTGAGGAACAGCTGCCTCTAGAGTTGGATCAGACAAG
GGTGCTGAGAGCCGGGACTCACAACCAAGGAGAAATGAGCAATCCGCGGTCTTTGGAAG
AGGAGAAATATGATATGTCAGGTGCCCGCCTGGCCCTAATACTGTGTGTCACCAAAGCCC
GGGAAGGTTCCGAAGAAGACCTGGATGCTCTGGAACACATGTTTCGGCAGCTGAGATTCCG
AAAGCACCATGAAAAGAGACCCCACTGCCGAGCAATTCAGGAAGAGCTGGAAAAATTCC
AGCAGGCCATCGATTCCCGGGAAGATCCCGTCAGTTGTGCCTTCGTGGTACCTN

Sequence 3417

GTAATACGACTCANTATACTATANGGCGAATCNGGAGCTCCACCGCGNGGCGGCCGCC
GGGCAGGTACGCGGGGTGCTTTAAGAATTAACGAAAGCAGTGTCAGACAGTAAGGATTC
AAACCATTGCGCAAAAATGAGTCTAAGTGCATTTACTCTCTNCTGGCATTGATTGGTGG
TACCT

Sequence 3418

AGGTACGGCATCATCACCATGCGAGGCCTGACGACCCCTGAGCTCCGGGTATACCCGCAC
AAAACCTCTACGTCCCTAATCGGAAGGTGAATTCTATGTGCTGGGCCTCACTGAATCAC
TTGGATTCCCACCTTCTGCTGTGCTTCGTGGGACTTGCAGATACTCCAAGCTGTGCCGTG
CTGCTCCAGCGTCGCTGTTCATAGGTAGCTTCCAGGAATGCGTCGGCCTGGCATGCTT
TGCAGTTTCCAGATCCCTGATGCCTGGTCCCTGGTCCCTGAGCATCCACGCGTAT
CACTCTTTCAGTACCTGCCCGGGCGGC

Sequence 3419

AGGTACTTTTTTAAATTTTGTGTTTTAGTAGAGATGGGGTTCCACCATGTTGGCCAGG
CTGGTCTCAAACCTCCTGACCTCAGGTGATCTGTCCGCCTTGGCCTCCCAAAGTGCTGGGA
TTACAGGTGTGAGCCACCACACCTGGCTGAGTTCAACTTTTTGTAAGTAGTATCCACTTA
AGGCATTTGCTAACTCCTAATTGTGTGTGCTAGGGCTCAGACACAAAGTTTTCACTAGC
CAAAATTCAACTCTCACAGAATAGGAGGGACAAATATTGTAGTTTATGGTCTTCAAAG
GAGGAGAGAGCCATGGTAATACACCTTAGGCTTTCAACTTGATATCTGAGAAAAATTTG
TTCTGAGAGTAAGAGCAAACCAAAATAGATCAGCCTCAACAGTTACTAGAGTGGTATGCT
AATATTCTATCTGCCGAAAGAAAATGGAATCTCTTTGGAGGAAGATAACATCATCCAGA

Table 2

GCTTCTGTAATTTTCC

Sequence 3420

CCGGGCAGGTAAGTCTCGGAGGTTGGGTTCTGCTCCGAGGTCGCCCCAACCGAAATTTT
AATGCAGGTTTGGTACCTGAAATCTCTAGATATAATATTAACAAACAAACAAGT
CAGCATTCTCTACCTGGGAGCATTTTNTGNATATTGACCTTGCTTTGTTGAAAAAGTTC
TGTTAALCATTCTNGATGTTGTAATTTAGCTAACTGCTGAAGACAAAGTAGGAAGAGAGG
AAAATGGGTGCCACTTTCTAGTGGTTGAGCTAGTTCTGAAATGCTCACCAGCTCTGAAAT
GATGGCNCGAGCTGCAAACTGTGCTAAATAGGATTTACCAAAGGGATGTCAACCTNCA
TTTGGGACACTGGTCCAATNCATTGANGAAAGCCTG

Sequence 3421

AGGTACAGATGGCTTCCAGGAACAGGCTCACCAATGAATGAAGGAGAATGAATACAATGA
TCATGATGAAAAAGATTTAAATTTCTTGCTGATTGGCATAAAATGTTGAAACCAACAA
AGACAACATAAACTCAGAACAGGTCCCTGTGATGAGAGCATCAAAGCCTCGCGTGGTCA
CCAGTGTGGCCATCCAAGAAGCATGTAAGGTCAGGTCCACATGAGAAAACCTTGACACA
GCCATGCCCTGAACTCTTCTGCTACCATATCAAAGAAATTTGATTGAAGTTTGTCTTCT
CTATAGAATATGGCATTGCAAAATCCTTGTTGTACCTGCCCG

Sequence 3422

GAGTTACCTGGTTGCCATGGTGTGTGAGGATCCTTTTACCTGCGTTGCTGAGAGTCCAG
GTTTATTCATCATGCTGGGGGAGGTCTTGATCCCTCATCCCTGAGGCCACCACAGTGAGG
CAGGGGGACGCATCTCCTCATGAGAGATGATCAGGGACCTCTTCTGGATGAGAAAGGCA
ATCGCGGATGAGCCCCCAAGTTGTTAGAAACAAGAGCTTGGAGTCACAAGGAAAAACAAGC
ACCAAATGCCAAATGAAGGATTTCTNAGCAAAGCAAANTTACTTCT

Sequence 3423

GGAGAGACGGGGTTTACCATCTTGGCCAGACTGGTCTTGAACCTTTGACCTCGNGATCC
ACCCTCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACATACAGCAGTTCT
CACCAGCATCTGACAGCCGAAAACTGAAAGCATTAGAGAATGCTACAGGACAGGCTTT
GGCTTAGTAGTGAGTTCTGAGTTCAAGCTGAGGCTTGCACCTATTAGCTAGAAGTTTGC
TTAATCTCTCACAGGTCTCCTNTAAATGATTAAATGG

Sequence 3424

CCGGGCAGGTAAGTCTGGCCACGACTGCATGCCCGCGCCCGCCAGGTGATACCTCCGTCGGTG
ACCCAGGGGCTCTGCGACACAAGGAGTCTGCATGTCTAAGTGCTAGACATGCTCAGCTTT
GTGGATACGCGGACTTTGTTGCTGCTTGCAGTAACCTTATGCCCTAGCAACATGCCAATGT
AAGTGCCTTCAGCTTGTTGGGGGAGACTGGGTAGAGAGGTTAGATGGGAGGGCACCCCTG
CCCTGAAAAGGAAAACCTGTAACTGAATCCAGGTACCT

Sequence 3425

CCGGGCAGGTACATCATTTCCAGAGCAGGCACTGGCAGCGAGATAGGGTTGGAGGAGAAG
TAGCAGCCGGGACTTCCGGATGGCAAATTTCTCTGTGGGTAGAGATTTCCAGCAATCTT
GAGCTTCAGGCCTGGCACAGCTCGAAATAATCCACTTCGTCGTCGCCGACGGCTTGTG
GTCCTCCTTCCCAAACATGCTGAGGTAGCGGCCCTTCATGTAAATGTAGGTGGCCTTTTT
AAGTCAGATCATGTCAGTTCTTCTGGAAATCTGGTTATATCCATCACACTCAGGAGAC
ATCTCTACAATTTCTTGACACCTGCAGCACTCCAGCCACACGACGGCCTCACCCGCGG
TACCT

Sequence 3426

AATCAATATTGTGGCTACTGNTGNGGAGGAAGGGACAGGNGCGGAGGCCAATGCCACTCA
GAATATCTGCATTTCTNCACAAATGGGATCAATGACCTTTGAAGACACCANCAATTTTTA
CCATCCAAATTTCCCTTCAGTGGGAAGATAANAGTTAGGGGCCATGATGACTCCTTNCT
CAANAACCATCTAGTGNTTNTGGTGATTTATGGCACAAATGGAACCTTCAACCAGACCCT
GGTACTGATAACAATGGCCTATCTCCCTTTACCTTGGAGACATCCGGTTGGAATGGGAC
AGACGTTTCTCTGGAGGGAAAGTTTCAAATGGAAGACTTATTATATAATCCGGAACAANT

Table 2

GCCACGTTNCTACCAAATTCGCTACCTGCACCTGNGACCCTTCTACAGCACAACCCGCA
GCTTCCTTGGCATNCACCGGCTAAACGNCCCCTTGAAATGTGGCCAGNCCCAAGAAGTGC
T

Sequence 3427

TTTTTTTTTAAGGNAGAGAATNGTTTGGTTTGGNGAGAATATTTTTATGGGCTAAGATTA
AGTTGTTTCACAAAAACCTGTCAAATTTAATTACCCAAAGTGGTAACATCAAAACTTCAT
TTACTTGCTTATTCCAAAAAGGAGTTGAATATATTTCACTTACTCAACAGCAGTTTTTCC
AGTAGATCTAGTAAAGACTGNTATAGCACCTGGGCGCGGNGGCTCACACCTGTAATCCCA
NCACCTTGGGAGGCCCGAAGCAGGCAGATCACTTGAGG

Sequence 3428

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTGTTTTGCTTTACCTGAGTATGTGCTT
ANAAATCAGGAGAGGAAGGGGAGGAGGTGGGAGAGAGTGTGCAGGGGAGGGCTGACGCTT
AAATGCCTTGGGAAGTCTTCTGTTCCACCAGACAAATCTTTCTACGAGTTCCTTCCAGA
GCTCAGTATCACCAGAGGATGCAGTCAGAGGGCAAGGAGACCGGAAGGGGTTCTGGNGTG
TCTGNGAAANTTGGCTGNAGGCTCTAAATGAAATTGAGCTTTGGGCCAAAAAATTTTCN
TAAACTAAAAACAGACCAAACCCCAAACCTGNTTNTGAGATCTCACTTGATGCCCTGTG
ATTCCCTATTACTTTTGGCTTGCCAGGAAGCTNGGAGCTCAA

Sequence 3429

CCGGGCAGGTACCACATATCCCGTTTGATTTCTATTTGTGTGAAATGGCCCTCCCCTGGG
TCAAGCCAACACCTGATGCAACTTCCTTCAGTGAGGCCTTCCTGAAGAGCAATCAGGACC
CAGCTCCTGATTCTGCTGAGCAGGCCTCTTACTTTTCCCTGGTGACAAAAATAACAATG
TGATTGGCAATCTGTGGCTCCAGGGACATCTGAAGTGCAAAATTGAAGAAGTTGGATAGGT
GGGATCCTATAAAAAGAGAATGGTCACTACAGGCCACAGTGACAGTGCCTCCGCTGGTAAT
ACACAAGATTCTGCCAAGGCTGGAAGCTGTTGCTGCCCTGGGAAACAAAGTCGGGGGAAG
CCTGAGAGCACAGGATCCTTCTGAAGTTTGACCATGCCTACCATGCTGACGAAACTGGC
TTGGAATCAGTTCTTCTGATGCTACAGTGAAGACTGTCATTACAACAGTGCCACCCAGT
CTTCCAAAAGTGGACCCAGAACTCCGTTTGGATATCAAGGTATTGCAGGGGTGCCTTTAG
CAGCCATTTCCGCATGCCCGCTTGGTTCAAGGGAAAATGGCTCTCANGTTCACAAGTTAA
AGTTATCATCAGACTACTGAAGGACTTTGAGGGGTTTCGTTTTTCTGGCTTTG

Sequence 3430

CCGGGCAGGTACGCGGGGGTGATCAAAGAGGGAGACACAGACACAGAGAGACAAAGGCAA
GGAGGACTGTCTGGGAGCCACGCGGGCGGATACAGTTTCCGAGGCACGCCGCGTCCCGCCT
AGCCTGTTGAACAGTGCGGATTTGCGAGGCGCGCCCTGGAGCTGCTAGAGATCCGGAAGC
ACAGCCCCGAGGTGTGCGAAGCCACCAACATCCAGTTACCAGTGTCTTGAATTGATA
GTGGCTTCTGTTTGTCACTCTCATATAAGAACTACAGTCACTCAGGAGGAGATCGCAAGC
AGGGTAAGAGACACCAACACCATGTTCTGCACGAAGCTCAAGGATCTCAAGATCACAGGA
GAGTGTCTTTCTCCTTACTGGCACCAGGTCAAGTTTCTAACCAGTCTTCANAGGAGGC
AGCAGGAAGCTCAGAGAGCTTGCAAAGCAACCGTGCCCATCTGTCAAGACATTCTTGAGA
AGAACATACAAGAAAGTCTTTCTTAAAGAAAAACAGTCCGGAGCCGAGTCTATCTTTAC
ACTTTGGCANGAAAGTATTTNCAAACCTGATTTTCCCAGAGTTTGAACGGCTGAATTGTT
ACACTTCANAAAAACAATTGNNCAAAGCCCCAAAATTAAAAAGAAAAGG

Sequence 3431

ACACCAATTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCTTAGGTGAGCCCAAGGCTG
CCCCCTCGGTCACTCTGTTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAACAAGGCCACAC
TGGTGTGTCTCATAAGTGACTTCTACCCGGGAGCCGTGACAGTGGCCTGGAAGGCAGATA
GCAGCCCCGTCAAGGCGGAGTGGAGACCACACACCTCCAAACAAAGCAACAACAAGT
ACCTGCCCGGGCGCGGCCGAGGTACGTGGGCTGTCTGCAACCAAGTGTGCCGTG
CCAGCCAAGGACAGGGTGGACTGCGGCTACCCCATGTACCCCCAAGGAGTGCAACAAC
CGGGGCTGCTGCTTTGACTCCAGGATCCCTGGAGTGCTTGGTGTTCAGCCCCCTGCAG

Table 2

GAAGCAGAATNCACCTTCTGAGGCACCTTCCAGCTGCCCC

Sequence 3432

CCGGGCAGGTACCATATCAGTGGAGAGCTGCAGCAAGGTGGCCCCTAGAGCCACGCACCA
GCCTGCACATTGCCCTCTCCATACGGCAGCCCTTTATTTGGAACTTCTAAATCACTTTG
CTGTGTGTGTTTACACGGGTGGGTTTTGCTTTACTTGCCCTGAGAGCACACGGGAGTGCA
GCACACACCCCAACCCACATCAACTGCCATTAAAGAAAAAGAAATTTAGCCCAAGATTTT
ATGTCCAGCAAAATTAAGCATCATAAGTGAAGGAGAAATAAGATCCTTTTCAGACAAGCA
AGTGCTGAGGGAAATTTGGTATCACCAGATCTACCTTACGAGAGCTCCTGAAGGAAGCACT
AAATATGGAAAGAAAAGATCATCACCTGCTACTACAAAAACACACTGAAGTACCT

Sequence 3433

AGGTACCAAAAAGACTCTCAAAAACCAATACTCCACGGGCAAGGGAATAGCCAAGTTTG
TTGCGGTTTCCAATGAATGACATCAGCCCTGTGTAGGTCTCAATCAAAATGGGTTCAGTT
AACACCATCAGTTTCTTCTCTTCCAGATCCAGTTGAATTCCTGTGGGCATTCTGGATA
GCTGGAACAAGCTTAGACATGAACCCAGACAACCTTGCAAATTTCAAGGAATTTCTCACTG
GTGATTTTCATAGGATGCTCAGTGAAGTAGCATAAGGAACCTCAGTGGACCATGGGTTT
CGGCGGGACAGAAGAGACTGCTCCTCCGGACTCCCCCAGTAGATCCTAAGGCCTTCTCCT
TGTCTCTTGTCCAGGGACATCCCAGGGAAGGCGAATTTGCCAGGCAGATGCGATAGACA
GCGCTCAGAGGAATCCGCTGCAGCTGCACACAACCTCAGCATGATGAAGTNGTATTTGCAG
ATCAAGAGAGTCTGTCTGTGACCAGTAGAATTCTCTCCTTCTCA

Sequence 3434

AGGGGGACTTGGCACTTCACAAGGCTGGCTCCTTCTCCATAGGCTCACCAGCAGTTCTGC
TGTCTTCTGAGCAAAGGGCTGTTCCACATCCACTGTTAGGGAGGCCAGGGCAGAAACGG
TCTCTGTCTCCTTGTCAACTGAGCACCAGCCAGAGCACAGCCCCTTGGCACAGCCACCA
TCCTTACTGACTTCCAATACTTGCTTTGAATTTCAATGATCTTCTGTAAAGAAATAACAG
CATTTCATATTCGGGCTTTGGTGGAGAATATCTTCTGCAAGTGGCTCCAGCTCATTTCCTA
GAAGGGCATTACACAGGGCTTCTGATGCATCACAGATGGCTGTGAGATCATGTCCTCCT
TCTAGAGCCAACACCACACGTCCATCAGCCAATGTCATCAATTGCTTCGTCAAATGACCA
AAACATTTTGGCCGTCACTTTGTACCTGCCCGGGCGGCCCGCTCTAGAAGTAGTGGGATC
CCCCGGGCTGCAG

Sequence 3435

CCGGGCAGGTACCAAATGTGATTTTAGCTCCATTAGGGGCCAGGGGTAACCAGCAGTGC
CACCAAACCTGTACGACAGGTAAAGAACTTCTACCATCCCAAAGTGCAGGTTACAGGAAA
GGGGTCACTCCTTAATGACGACCTGGGCCTGCTGCATAAGGCCCATCTTATGCAGCATGT
GGGCTGTCCCATCTTCCCCACTCTCAGTGAATATGTAAGTGTGTACAGGGTGAGTTGGTGC
AGTCTTTTGTCTTATCACGTGCCTCCATCTCCTGGAGGCAGGGTGCCCAAGGAGGGCAGG
GAGGGGTTCTTGTGCTCCTTAAAGGGATAAGCAGTTCATAAACAACTATGGGCCTCTGTT
TATTATGAGAGTTAGTCTGCAAATTAGGGCCTGGCAATTAGAATCGGTCTGCATCAATGA
GCTCATACTCTGTTCTGGGGAACAATGTAGAATAAACATCTGACCAAGTAAAGACCCAG
AGATGCCACTAGGTGGCCCTAGGTGGAAGCCCCAACATGTTCCAGGGAGTCTGTCCACT
AATTTTGCAGGANAGAAGGGGTGAGATTTGTTAACTTTGCTCTTCAGTTCTGGAGATAAA
GTGCTTACTTCTACGCAGGGGTAATCTAGAAACAAATGTGAGTGAAGCCCCCTAAAGTG
GATCCTTAAATAGGGTGCTAAAGACTTAAAAAGAATGATTT

Sequence 3436

AGGTACAGCCTGGGCTCCAGAGTCAGCCTCTACACTCACCAGACTATGGCGGATTCATCA
TTATACTGGGAAGCAACAGCCTGGGCCCCAGAGTTGGTCATCCGTCCATGCACAGATGAG
GAGAGGTCTCAGGAAGCTTTGGCGTGGTCTGGGACCTTACCTCTTGTGTAATGAGTTGT
TTGGTGTCCCCGCGTACCTGCCCC

Sequence 3437

GAGACGGAGTCTCGCTGTGTGCGCCAGGCTGGAATGCAGNGGCGAGATCTCGGATCTTGG

Table 2

CTCACTGCAACCTCTGCCTCCCGGGTTCAAGCGATTCTCCTGCCTCANCTCCCGAGTAG
CTGGGACTACAGGCATGTGCCACCAGGCCCGGCTAATTTTTGNATTTTAGNAGAAACG
GGGTTTCACCATGTTAGCCAGGATGGTCTTGATCTCCTGACCTCGTGATCCACCCACCTN
GGCCTCCCAAAGTGCTGGGGCTACAGGTGTGAGCCACTGAACCTGGCCAGTTGAACTAT
TTTTAAGAAAGAAAAAGCAAGTCCATAACTCCANAACATGGAGACAAGATGCTGCTTAGT
ATACTGCATTAAAAAAAAGTTAAAAACCTTCTTATATTTAAAAATATTTTTAAATTTA
TTTTAAATTATNCACTGNGGAAATTTACCTTTTTTGTGNTGGGCCTTTTCTNTGAAATTT
TTAACCANANGGCATAGCATTTNATTATAACCTNCCCATTACNNGAAACAGTTTAATTTA
CCTCCCCC

Sequence 3438

AGGTACTCTACGTTGTTACCACAGGCGATGACAGCTCCATGTGTGTTATTGCCCTGAAG
ACCTTCCAGAGACAAAATGTGGAGGTGGAAGACAGTGATACTGATGACCCTGACCCTGTG
TGGATCTAGGCTAACATGTGTTTTGTGTCTTAGTTTTCAACAAAAAGTTTAAAAAGTT
NAAATACTAAGTTTATAAAGTTAAAAAGTTACCCCGCTGTACCTGCCCC

Sequence 3439

AGGTACTGACTTGAGACAAGCTCTAACTTTTTAAACATTAGTTCACACGCGTTTATTAC
TTCATTATGTTTCAATTAAGCTTTTCATCTTAGAATACCAGTTTCACCATTTGGGAGCTGTT
GTAATATGTGCAACCTTATAAATAGTGTTCCTTCCAACTGTGTCCAGGACTGCAATCTT
TAATGTGAAATGTCTTTTATAATCTCTCTTTAAAAAAAACCAATAAAATAAAATGCC
ACATGCAAACTCAAGTGTGTCAACGATTTTACTTCATTGGCGCTCGCCAGCCCGCCAGG
CTGGCAATAAAGTGCTCCAGCCACCTCTGGCAGGTCTCCTCACCCACAGCCCTGACTG
GTCACCACTATAGTCGTATGAGGGGCCAGGACAATCGCTTGGGATAAACTCCCATCTCAG
CACTGAATAAAAAACATTCTGTGTCACAATATCCTAGTTTTGGGGCTTTAAAAACGTCTA
GGTGTTCCTCACATGCCTTGTCTATAATAAGAAAAGCAAGCAGTAGTTGGGTATTGGTA
GCTTTTGAACAAAAGCCCTACTGGTCTTCTAATTTTGGATAT

Sequence 3440

CCGCGGTGGCGGCCGAGGTAAGTCTAGCAGCAGTCTTCCTGTCTGGAAAGGAAACATTGCTC
AGATTGGAGATACTGGCCATTTATAGACTTCAAAGCAACTTAGGCCACTGAACTGTGAG
GCGGGAACAGGATGTCTTCCATTTGGAAGCCCTTTGCTTCTAAGAAGTTCCAGAGAC
CATCCAGGCCCAAGAGTTATAAGGATTCATCTGGGCACTGAAGACATTTGGGACCTCA
GTGAAGTTTCTCCGAGGCCAGATGGTCACATTGATTTTCTGGAATCATTTTGAATAAAAA
TGAGCGAGGTGGTGAACACAATGCAAGGCTCTCCACGTACCTGCCCG

Sequence 3441

AGGTACCACCTGCTGTATCCTTCCCCACCTCATCACCCCCAAAGCCATTTAGTGCCAAAT
GCTACAGTAAAAACCAATGCATTTACATAAAATAATGCCTAACTGCATATTTACATTTT
TTAGAAAAAAATCCCATTAAGCTCTTCTAGAAAAGTTATGGCAGGAAAGGTAAGGACCAA
GGCTATGAGCAAGCCATATGTGGAAACTTAAAGTAGATGAGCACTGAGTTTCTCCATAGT
TGGAAAAAAGCCACACTGAGCCCACTCTTCTGTGAGGCAAGATGAGACCTTCTTTTAT
ACCTGTGAGAACTCTCANGTGGACAACGTGACTGCATGAGTGTGAAAGGCAAGCTTGC
CGGCTTAGTTATCACCTTGCAAGAGGTAGCTATGCACTACACAGCCACACTGCCCAAAGCG
CGCTACTAAGAACACTGGTCTTACAAAANGGCTCCTTGTNAGAAAACTTTTAGGAATCACA
AGTATTTAGAAAATCTATCCACTATCATTTTCTTCTAGAGATCCCGCAATGCACATTA
TCACATGGGAATTTTTCAGAAAGTTTNTTTTATTAAGAAAAATGCTTTAACTTTTTTTN
AACCTAAAAGTTTTCATATCAACCCTGGAACCTTTGGGAATCTTCTTTACTTTTTTTTA
AGGNGGACCNCATTTTNTATTAGAAACAATNTTTNTGGAANAAAANGCCTCCTTNTATTG
GGCTTTTGAANAAAAATNTTTTCCGGGAAACCNAANNAATNTTAAATTTTTTTT
ACTTTAAAAAA

Sequence 3442

CCGCGGTGGCGGCCGAGGTACGCGGGGACACCAATCAACCATAGGTCCAAGAACAATTG

Table 2

TCTCTGGACGGCAGCTATGCGACTACCGNGCTGTGTGCTGT

Sequence 3443

CCGGGCAGGTAATACTCGATTGTCAACGTCAAGGAGTCGCAGGTGCGCTGGTTCTAGGAA
TAATGGGGGAAGTATGTAGGAGTTGAAGATTAGTCCGCCGTAGTCGGTGTACTTTTTTTT
TTTTTTTTTTTTTTGGNCAGTGTGGTAGGAGTTTGTACAAAAGTGANTCCATGGGCCT
GTGGAATGTGAGGGGAGTGGGTCCNCTCCACCAGATGCCAGCACCGGGGCCAGTGCAGCT
CANAGCCCTGTGGTGGACTACAGGGCCTGCACAGACGGTCACTCAAAGAAAGATGTCCCT
GTGCCCTACTCCTTGGCGATGGCAAAGGGCTTCTCCACCCTNGATCTTGCCGCAAGTCTG
CGAATGATCACATTTCTTTAGG

Sequence 3444

CCGGGCAGGTACACCAGAAGCTCATTACAGAGCTGGGTGAGCATTACAGATTCACAAGGAAG
CATTTATCATCCCCAACTTTGATTCCCGAAGACTGAAGAGATATCCAAGACTCTCAAGC
TGTTTCTGTGCTTCCTGTGCAATCTCCTCCGTTTTCTTAATTTCTCCTCCAGGTCA
GTCAATTTCTGGATTAGCTTCTCAGATTCTTCCAGCCGGTCTTTAGCTCTGGAGATTTT
ATTGCCTCTGCTTTGGTCAGCTGCTCCCGGAGTTTCTCAACTTCTTCCCGGAGATCCCGG
ATAATTCGGGCATTAGGGTCTCATTACACAGCGTGGTTTACAATGTGCTCGGCTCGA
TCTGCATACCGCAGAGTTGAGAGGGTTTCATCATAAGTTATCAGCTGCAGGACTCACAAG
TAGCCACCATGGCGGTCTTGCTGTTACCCCCGAAGCTGTCTTTGAGCAGCCCAAGTGAGA
ACTGAGTCACCGATATGGGAACAAAATTTATTCTT

Sequence 3445

AGGTAATTTTTTTTTTTTTTTTTTTTTTTGGAGCACAAGATAGGAAGTGCAGAGATACCT
GCAGGGCAAGANAATTTGGTGCCACCTGAGACATGATGACACGGCCCCCTCCTGTCCCTC
CGCCAACACGAACACCAACTTGTTCACATCCCCAGTGAAGTGTGCCATGCGGAGAAGGTAG
AGGCAAAAGCTGAGCACTAGAACCAAAAAAGCTGAGTTTGACTGGACCACGTTCTCTCTG
CATCCCAACAACAACCTCACACATAATAGCTTNTTGACACCAGGTGAAGTCTCTAACCTTA
ATATCCTCATTTCGAAATGGANAAATGACACCACCTGAGCAGGGATGGCATAAGGAGC
AGAGATAATGAGGAATTCCTGCCACAAGGTTAGGAGATATAAATGGGAGGGTGTCTCTGT
TTTGATGTAANAGTNTTANAACCTTAAGGAAAAATCAATANTCAAAGATAAAACNGAAA
ACTCTNCTATATATTTTGAAAGTTAANAACATACCTNTAAATNACCCATGAGTCAAAA
AAAGAAATTTTATTTCAACCNGGAAACTTTTCGAGTTCTATGANAATATGNTTATATA
ACATGCCNGATTTTGGCTGAACCAAGTGGGANGNAAATCNANACTTAAGTGAANGGANGG
CCAAATTTTTTNTGCNCTGNAACANTCNCTTAACTTGAAAAAGAAAAAAG

Sequence 3446

CCGCGGTGGCGGCCGCGCCGGGCAGGTAATAATTTGCATATCTCACAGGTTTTATTATAT
TGCAATTTCTATTTCCATCTTTTTTCCACAATTTTAAATTTTCATTTTAATTTTCTTTT
TGAGATGGGTTTTACTCTGTACCCAGGCTGGAGTGTAGTAGCACAATCTTGGCTCACTG
CAACCTCTGCCTTCCAGGCTAAAGCGATCTTTTATTTACGCCTCCCGAGTGGCTAAGAC
TATAGGTGTGCACCACCACATTTAGCTTTTTTAATATGTATTTTTGTAGAGATGGGGTT
TGCCATGTTGCCAGGCTAGTCTCAAACCTCTGACCTCAGGGGATCCACCTGCCTCAGCC
TCCCAAAGTGCTGGGATTGCAAGCTGTGAGCCACCACCCCTGGCCGGCCATCTTAATTAC
TTCAATTTACACCGTGAAGTGTTCAGGAAGTATGTTTGGTTAAATCTTTGNAAAATTTATA
GTTTCTGAAATTTCTCTTGATTTGGATTTGTAGTTTTATTCTCCTGCGATCTAAGTANG
GTAGTGATATAATTGNGATTTATGGGGGTACCTCGGNCGCTCTAAACTAGTG

Sequence 3447

GGAGCTCCACCGNGGTGGCGGCCGAGGTACCCTCCTTCTGTTGTGCTACCCACGAGGAAA
TGTGCTCTTCGCTAGTGCAGAAAACATTTAGAATTATCCAGTAATGAGCCCAGCAGGATG
GATGAAGCTTGGGGAACCTCTAAGAGCTTATTGAATTACAGAGAAATTCAGTTGTCAA
NCATTATATAGAGGAAAAAGTTATAGGGTGTACTTATCAGCAGGNAGCCTGCATTTGGAG
AGAATTTTCTTTTCTCTTAATAAAACATGGACCAATTGCAGAAAGGNCTTAAAAANGNAA

Table 2

AAANTAAAGTACCTGCCCGGGCGGCCGCTCTAGAACTAAGTGGATCCCC

Sequence 3448

TAGGGAGTCGACCCCGCTCCGTGCTCTAATGCCTTCCATTTGGCTTTTCTCATCATAAT
ATCCCTCATCTCCACACGTTAGGGAACCACTGAGGGAATTCTGGCAGCTGATAAATACGT
TTATTCCAATTATACATTCTGGAAGTGTGGAAATGACCACAGGATAGGTTTGGAGACCCA
CTGTTCCAAGTGTAAAGCCATACTGGAAGTAAAGTCCACTGATCACCTTACCTCCAAAAG
CCCTTACCCTGATTGGAGGCCACAGTGTGTTTCTGTGTTCTGGAATCAGTATGAATTC
AGAGCCAGTGTCAAGAAGTCTCAGAATGTCTGATTGTTTCCCTTTTTCAATGCACAGT
TACCTTGGTAAATGCTGGAGGTCCCTTTGGGTGAGGATTGGACAAAAATTAACAGTAT
AAATTTTCAGTATTGTACCCAGGTCCCTTCTTAAGGACTTCCCTTTTATTAGAGGTCTG
CAAGCTGGCTCAAGTCTGGAATTTGATTGAAAGGCCATGATCTCTGGTATCCTTTGAGTT
AGACTTTTGTCACTTGAAGTGGGAGTTTCTGCTTACACAGATCAAGTAAGAATGCCAG
TAGGGTTCTCATCTGTTTCACTTTTAGCAACATTATGGTTTATTAGCTAGCATCATTAGG
TCTGAATGAGTCAGAATATTTAACTGGTCCCTTGCCTCTACTGNTTATTTTGCTAACTA
TCCCCACCTTGCCTTAAGGGGGTGAGTACTGGCCCCCTGGGCCCTGCTCCCCAAAAATAA
AAATTACNTTCCCTTAGATGTAAGCTTTTNCNTCCCCCCCC

Sequence 3449

ACCGCCANATTGGGTCTTTACAAAAGGGGTGTANCAATTCGGCCGGGGCAAGCNTNG
GGGAAACCGCTTGNGGCNCGCCGCCAGGGGCCNCTTGTAGGGGACTTCNGCCGNGNC
CCCCAAGATTGGGCCGGCCGGGGCCCGCTTAAGNACTTAGGTTCTTAGGAAGAAAAA
AAAACCTTCCCCACCACCTTNCCTTGGAAACCTGGAAAAACCATTAATAAANTGGAA
AANGCCAANTTNGGTTGGGTTGGTTAAACTTTGGGTTTAAATTTGGCAAGCTTTTATAAA
TNGGGTTTACCCAAAANTTAAAGCCAATTTAGNCANTCCANCAAAAATTTTCAACAAA
ATTAAGGCAATTTTTTTTTTCACTGGNCATTTCNTAANTTTGGGGGGGNTTTGG
GCCCAAAACCTTCAATTAAANTGGNNAATNCNTTANNTNCAATNGGGCCNTGGGGAA
TNCCCC

Sequence 3450

GTGGTCGCGGCCGAGGTAAGTGGAGGAGCTGAAAGAAAAACACCCAAGGCTGGGCGTGGTG
GCACACGCTGTATCCAGCACTTTGGGAGGCCGAGGCAGGTGGATCACCTGAGGTGCG
GAGTTGGAGACCAGCTTGACCAACATGGAGAAACCCGCTCTACTAAAAATACAAAATT
GGCCGGGCGTGGTGGCGCATGCCTGTATCCAGCTACTCGGGAGGGTGAGGCAGGATAA
TTGCTTGACCCTGGGAGGTGGAGGTTATGGTGAGCTAAGATCGTGCCATTGCACTCCAGC
CTTGGCAACAAGAGCGAACTCCGCTCAAAAAAAAAAATAAACAACACCCAGATAGAT
ACACATACTCCTTACAGCTTACAGACCTAAGCTGCATTTATGGGGTAGTGATGAGGTTTA
AGAACATATACCATATTTTGTAAATTCCTCCAGATGATTCCTTGGTTTGAACCGACTTT
TTTATAAAA

Sequence 3451

GATACAGGCGTTTTCCCCCTGGAAGCTTCTTCGTGCCCCCTCTTCTGGTTNCGACCT
TGGCGCTTCCCCGGCATACCTTGGTCCGGNTTTTTTCTTTTCGGGAACCCCCCCCC
TTTTTTTTTAGCTCNCNCCCCCCCCGNTCTACTTTTTTGGTGTNCCCCCCCCCCTTT
TTNNNCCCCCCCCCTTCCCCCAATTTTTTNCNCCCCCCCCCCCCCCCCCTTTTTTTTCC
CCNTTNTTTTTTTTTGANNCCCCCCCCCCCCCCCC

Sequence 3452

NTATAGGGAGTCGACCCACGCTCCGCATTATTGGGTAAATACCCAAAGGAATATTAATT
GTTCTACCATAAAGACACATGCATGCATATGTTCAATTGAAGCACTATCCCGCAATAGTAA
AGACATGGAATCAGCCTAAATGCCCATCAACAGTAACTGGATTAAGTAAATGTGATGTA
TATACACCATGAATTACTACACAGCCTTAAAGGGAACAAGGATCATGTCTTTGCAGCA
ACATGGATGGAGCTGGAGGCCATTATCCTAAGTGAACGAACACTAACNCCACATTTTGGG
GAGTGGGAGCTAAACATTGANTTTNCNTGANCNCAAGGAAAAGANCAGGACNCNCTGGAG

Table 2

TCTACTTAAGGGTGGAGGATGAAAGGAAGGAAAGGATCAAAACNCTACCTATTGGNTNCT
TTGCTTATTACCTGGGTGACAAAATAATCTNTACCCCAAACCCCGTGA CTTACCATTTA
CTTNTGTAAACAACTGTNTTTTGTNCCCTGGAAACCTAAAANTAAAAAGGTAAAAATT
AAAAAGTTAAAAAAGGGGCGGGCCCGTTTNACTTAGTTTAAANANAA
AAAACTTNCAANACTTNCCCTTGACCCTNGNAACNTTAAATGGAATGCCATTTGGTG
GTGGGTAACCNCTGGGTATTGTCNNCTTTATTAAANGGTTNCCAATTAAAGCCAATTCC
TTNCCAAATTTTCCAAANAAAGGCATTTTTTTCACCGGGNTTCTANATNGGGGGGTNGGC
CCAACCTCAATNAATTGGTTTTTTTAACTCCTCNGGCCTCCCCNGGGTNCCCGNGCTTC
GAATTTAAATTCCTTTTTCCCCN

Sequence 3453

CTATAGGGAGTCGACTCAAGCTGACAAAGGGTAAACAAAAATAAGAAAGCCAGAACTCA
CTGATACGTCAGACAATATGCAGCAGTGAACATACATGTAATCAATATCTCAAAAGGA
AGGGTGGGGGAATTATAGGTGAATAAAGAATGGTACACTCATTCTGAGGGCACCGAGGA
GGGAGGATAGCTTTAGATTCTAAGGGAGGGTATTATCCATTCATGAAGGTCCAACCCCC
ATGAACAAACACCTCCAGTGAGCCCCACCTGCAACATTGGGGATAAAATTTTAAACATGA
GATTGGAAGGGGCAAGCATTCAAACCATAGCAAGAGTTAAATTTCTTTTTAAAAA
ATCACTGATATGATTCCATTTGCCATAGATAAAAGCTAGTATTTAGCCTACCATTTGAG
TGTATTTATAGCTACCAAAAGGGCACTCTGTCTCGGGAATACAGCTTGCCTAGAGGTA
TCCTATTGCAGTCAAAGA

Sequence 3454

GTGGTCGCGGCCGAGGTACCTGGGCCACCAACACAGCTGGACTCAATATATGGGGAAGG
TAAGTGTCTCAGTTTTTGGAGAGAGATTACCCTCTTCCAAAAGAGTGCTTGATTCTGGT
AGTCCAAGCCGTCTCCGTCTGGTGGCACCCCAATTTCCCTGCCTAGACCCACCTCCTTT
CCTCAGCCCCCTTCGCCTGCCGCCCGCGTACCTGCCCGGGCGGCCGNTCGAAGC

Sequence 3455

TCATTTACTTAAATTATTTTGGTTGTTTTCCCTTTTTTCTTNTTTTCCACCCCCCTC
CCCCTCCATGTGAAGATTGGGTGCTTAACATATCATTTTTTCCCTGCCGGAATTTTAG
CATTGATATGAACCATGGACAAGTATATTCTGCTGCCACAAAGACTGTAAAGTGCTTCAT
TTCAACAGCTGAGGAAGGTGTCTTGCTGCAGGTAAGTAAATGAAGAAGTGGTCAACCACAG
AGTCTTCAAGAAATAAGAAATTCTGTACCATCTGAAAGTAGTTCTTGTGGTGCCTTCAT
TTAAAAAGCACTCTTAAATAAAAAGGGAAATGTTTTCTGATAAAACAAACATTTAAGTT
GAGGTTCTTGATATAAAACAATTACAAATGAGTGTTGTTTGTAAACAGTAACCATCAA
ATTGGCTAGAGAGATAAAATGTATCATGGTTTTTAAATTAAGGTTTTGTGAGGTAGACAG
GAATTACCAATTTCTATTTTTAAATATTAAANGGCCNCNAAAAANCCCCCCCCCTTTTCC
CCCCCNCCCAAAGGNTCCNNTTCCCCCCTTTTCCCCCCCCCCCCCTTCCCCCCC
CTTTNNNTNCCCCTTCCATTTNCCCCCNNTNNGCCCNAAAAANNCCCCNNNNGGGGGN
CCNCCTNNANACCCTGAAAAAAA

Sequence 3456

GTGGTCGCGGCCGAGGTACCTAGCAGAACACANATTTAAACATTTCCATATTTAGATGAA
GAAAACAGGGCAAACTAACTAATTTTCTCAAATTAATTAAGTGGCAAAATAAAGGTGGT
GGGAACCGTTAAGGTACCTGCCCGGGCGGCTGCTCGAGCCCTATAGTGAGTCGTATTAN

Sequence 3457

GTCGCTCAAGCTAAAGGGGAATCTCCGTGGACAAGGACACTGGTACTTTGGGCTTTAGCC
ATATTCATTTTTTTGAAACCACCAATTATATAACTTAAATAATTTATATCATTGAAC
TGTGATTCTTTTCAAATCACACTGAAGGTTTCAAGCGTACTCCTTTTATGTTTGGTTAAT
ACTGTTGTATGGATGAAAAACCTAAAAGGGATGATAGTGTTTATTTTAAATTTATTTGG
TACTGTAAACACCTTTTCAAGATGAGTAAATGCTGCATATGCATTTTGGAGTTGTTAAT
ATGTGAAAGATATTACAGATTACAGCAAGAAAGGAAATTTGTGCTTCTTGTGAATGTT
AAATTTTACTTTGCATTTTATAAAGAGTCAAATTAATAAACTGAGCCATTTGAACCTGG

Table 2

CAATAAAATCCAAACCAATTAGTGGTCTCAATTTCAAAGGAANAAAAANNAANNAAC
CCCTTAATATATCAAAGTNNGGNTCCCTGGNAANNAAGNAAAAAGGGGGGGGGGCCN
NNTAAAAAANTTTNGTCTTNAAAAAAAAAAACCTTCCAANANCTTCCCCGNNGGAA
CCCTTGNAACCTTTAAAAANNAAGGCCCCNTGGGGGGGGGNGGAAACTNNGGTTNN
TNGGNGNCTTTANAAGGGGNGAACAAAAANANGGGCCNGNGCCCCGNNCCNAATNTTNC
CCAANAAAAAGCCNTTTTTTTTTTNNNGGNCNNNNANGGNGGGCGNTNGTCCCCCT
CCCCNNNTTTTTTTTTTTTGNNGGGGNCCCCCCCCC

Sequence 3458

GGGAGTCGACCCCGCGTCCGCAAGCGTGAGCTTCCGCGCCTGGCCTGTGACCTCATTTTA
ACTTGGTTACCTCTGTAAAGAGCTTGTCTCAGATAAGGTCACATCTGAGATACTGGGGT
CAGGATTCTACATGTGAGTCTGGGAAGACACTGTTACCCCTTAACATCCCTGTTCTCCA
GGGTCTTCAGATATAGTTTTGGGTGCAAGGAAAGGCAGCTAAGTACCAAGTTAATTATGA
GAAGGACCAGTTTTGAGGATTTGAGGAAAAAANAAAAAN

Sequence 3459

TAGGGAGTCGACCCCGCGTCCGGAGAGGTCCTTGTTCTGCTTTAGACTTTGGCTTAAGAG
AATGTGTGGCTGGTTTTATTTCTATCCAGACCACCCAACTTTCTTCATATCAGGAAGA
AGCTTTTTGCTTTCTTATTATTGATGTTTTCACTTGAGTAGTACTTTTAATTTCTTTCT
AGAACAGTTTTGTGCACAACCTCAGGTGTTTGGTGCAAGAGGCTTACCTTTCAGCCTATC
TCAACTTTTGAAGTTCTCTCTCAGTAAGCCTAAACATTTGTAACATTTTATTGAAAGTG
AGAGACATGGCCAGGCATGGTGGCTCATGCTTGTAATTCAGCACTTTGGGAGGCTGAAG
CAGGCGGATTATGAGGTGAGGAGTTTGAAGCCAGCCTGACCAATATGGTGGAACCCATC
TCTACTAAAAATAAATTANCTGGGCGTGGTGGTGCGCAACTGTAATCCAGCTACTCAGG
AGGCTGAGACAGGAGAATCGCTTGAACCCGGGAGGCAAAGGTTGCAGTGAGCAGAAATT
GCGCCACTGTACTCCAACCTGGGGGACAGAGTGAGACTCCATCTCAAAANAAAAANNN
NNNAAGTGCG

Sequence 3460

GAGCTTTATCAGCAGTNTGAAAACAGACTACTATGGTAAATTGGTACCAGCAGTGGGGTA
CTGCTGAAAAGATACCCGAAAATGTGGAAGCAACTTTGGAAGTGGGTAGCAGGCAGGGG
TGCAACAGTTTGGAGGGCTCAGAAAAAGACAGGAAAATGTGGGAAAGTTTGGAACTCCCC
ATAGACTTGTTGAATGACTTTATCCAAATGCTGATAGTGATATGGACCATAAAGTCCAG
GCTGAGATGGTCTCAGATGGAAATGAGGAAGTTGTTGGGAACAGTAGCAAAAGGTGACTC
TTGTTATGTTTTAGCAAAAGACACTAAGCATTTTTCCCTGCCCTAGAGATTTGTGGAAT
TTGAAGTTGGAGAGATGATTTAGGGTATCTGGTGAAATAAATTTCTAAGCAGCAAAGCAT
TCAAGAGGTGACTTGGGTGCTGTTAAAGGCATTATTTTTATAACAGAAGCAGCATAAAG
CTTTGGAAGTTTGCAGCCTGACAATGTGATAGAAAAGAAAATCCAGCAGGGCATGGTG
GCTCATGCCTGTAATCCACACTTTGGGAAGCTGAAGGTGAGCCCATCACCTGANGGCAN
GAGTTCAAGAACAGCCCTGGCCACATGGGAAAAACCCCGTCTNTTCAAAAAAAAAA
AA

Sequence 3461

AGGTACCCGCACCACAGTCTCCGAGGTACGCTAGAAGTCTTGCTCTTGGGTGCCTTTGTG
GTTGAAGCTTGTCTCCCACTTAGCTTTAAAGAAGATGTAATCACCATGATCACGACCGC
ATTGCTATCGAGGTTCTTAAGCAAGTCCACAATCTTGCCCTTCGTTTGCTTTGCCACATA
ATCATTGATCTGCTTCATGGCCCTGCAGAGTCCCTAAAGTTGGTAGGGAAAGTGCTGC
CAGGTACCTGCCCCGGCGGCCGAGGTACGCGGGTCTCGCTCTCTGTGTTCCAATCGCCC
GGTGCGGTGGTGCAGGGTCTCGGGCTAGTCATGGCGTCCCGTCTTCGGAAGACTGCAGA
CTAAACCAGTCATTACTTTGTTTCAAGAAGCGTTCTGCTAATCTAACACTTTTTATTTT
CTAGAATCACTGGGCGTTATCCTTCTTGAAGTTGGGCATTTTGGGGCAAAGGTGAGCC
TGGAGAATTACTTTTCTTTTAAATGAGAAGGCCACCAATGCCCCCTTTCGTGCTCATT
TGCTACTGGACCTGCCCCGGCGGNCNTNTANAACTAGTGGG

Table 2

Sequence 3462

TTTTGCTCACGCCACCAATCAAGTCCGAGGCGTTCTGGGTTTGCCANATATTTTGCCG
CAGTACTGGTTGCACCTTTGGTTGAGAGCGCAAACACAGAGGAACCGCTCGGCTGACGAC
TGGTAAAGGCGTCGGCATGGATAGAGACAAACAGGTCAGCACGCTGTTCTGGGCTTTTG
CTACNCGCACTTGCAATGGAATGAANATGNCTTCATTGCGCGTCATGTACACCTTNATAT
TGCCCTCTTTNTNGATCAGAGAGCGCAAACGGCGAGCTATTTGCAATACCACATCTTTT
CGCGCGTTNTGTATTTCCCAACCGCACCGGAGTCTTCGCCACCGTGCGC

Sequence 3463

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGATGGGGTTTTGGT
GTGGATGTCCTTTCTGTTTGTAGTTTTCTTCTAACAGTCAGGATCCTCANCTGCACGT
CTGTTGGAGTTTGCTGGAGGTCCACTCCANACCCTGTTTGCCTGGGTATCACCAGTGGAG
GCTGCAGAAGAGCGGATATTGGTGAACAGCAAATGTTGCTGCCTGATCATTCTGTGGAA
GTTTTGTCTCAGAGGAGTACCGCGGCATGCCCTATCTCAACAAGCTCAACTACCGTCGGA
CGGACCATGAGGATCCACGGGTTAAAAAGACAGCTTTCAGATTTAGCCATGGCCAANGC
CAAGGCCCAA

Sequence 3464

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTNGGTTTTTTTTTTTTTTTTTTTT
TTTTTTTTNANANAGGNAGGAAGNTTATTAATTATNTATTTTGAAATATATATTATG
TATTTAATTTGATTTAATCACATTACATAGGTTGAATTTGGGGGTTGCTTTTAAAGNGTT
GANANTTTAGTGTTTATTTTGTAAATCCAACAACCTTTNTCCAAAAATGCAAAAAA

Sequence 3465

CCGGGCAGGTACGTCATACACATAATCTGTAGCAGTGGCGGTTTAAAGTGAATCTCCTTTG
TGCTTAAACAACGTATCTTTAGTTAGCTGGTGGGAGTGGGCTTAAGTAGGAGCCTGCATA
TCTAGCCACATTCAGTGCTTCAGAGGAGCGCCTTTCTTCTTGAGCACAGTGTATAGA
TAAGAGAGCAGGTTGTGCTCAGAGCATGGGAACATAATGGCGATAAGAAGGCTTTCCTCC
TCAGAGTCCCTCTTGTTGGCTTCCACAACCTTACTGTCCCATGTTTTATGGCCAGTTTATG
CAGGCACCCTGTNAGCCTTTTTCCCAACATGCCCCCTTTTTCTTTTTTAAAAA

Sequence 3466

CCGGGCAGGTACAAAAATTAGCCGGGCGTGATGGCAGGCGCGGTAATCCCAGCTACTCA
GGATGCTGAGGCAGGAGATTGCTTGAACCTGGGAGGCGGAGGTTGCAGTGAGCCGAGAT
TGCACCATTCAGCTCCAGTCTGGGCGACAAGAGTGAGACTTTGTCTCAAAAAAAAAAAAA
AAAAAAAAAAAAANGGACTCTGCGTTGTTACCACTGCTTCCCGCGTACTCTGCGTTGATNN
NNAANNAAAAAGANNNTAANGNANGNAANANNNAANAANANAANAAAAANNNTTAN
GAAACNTCTAGNNNNCNTANTNGNGNNGCNTCTCTANTCCNANCNNATTTANACCNCC
CTTTTAGTTATNNTANTGGAAAATNNNNNTTCTNNNNNNANATTTATTANTAGGCNNNN
NNNTTANNACTTCATTGAANTNAAAAACNGANTNNATNTCCCNNTCANANTTTTANAAA
NNNANCAATNACCTATANCNCAGNANNCNAATACATTNGNANTANCCCNCAATTGGGNNTN
TCTNNAANTGGGNTGNANNCNNNATNAAANTNNTNATANNNTTGGNGNCTANANAANT
ANTNNNTCTCTCATCCCCNNNTNNCNTTCTCCCNCCNNGCNCCCCCCCCC

Sequence 3467

AGGTACCAACAGCACCCAGGCAAAGCCCCAAACTCATGATTTGTGAGGTCAGTAAGCGG
CCCTCAGGGGTTTCTAATCGCTTCTCTGGCTCCAAGTCTGGCAACACGGNCTCCCTGACA
ATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTGCTCATATGGAGATAAT
AGCACTTTGGGTGTTCCGGCGGAGGGACCAAGCTGACCGTCCTAGGTACANCCCAAGGCTGC
CCCCTTCGGNCACTCTGNNTCCCACTCTCTGNAGGGAGCTTCAAGCCAAACAAGGGC
CACACCTGGGTGTGGTCTCANTAAAGTGACTTCTACCCCGGGGAGCCCGTGGACAAGTG
NGCCTGGGAAGGCAGTATNAGCAAGCCCCGGTCATAGGCCGGGNAAGTTGGNGGACCCAN
CCAAAACCTTNTCAAANCAAANGGCAGNCANNCTAAGTTACCCTTGCCCGGGCCGGGCC
CGGCTTCTAANGAACTAAGNGGNATTCCCNCCNNGGGGCTTGACAGGNAATTTACNA

Table 2

ANATTTCAAAGCNTTTATTNGNATNCCCCNTNCGAAACCNTTNGNGGGGGGGGGGG

Sequence 3468

CCGGGCAGGTACGCGGGAAGGCCTGAAAGAGAGAGGTATGTTTTCTCTCCTCCAGAGTCT
CTGTGGTGTTGACACAGCAGAGAGAGGAGGGGGAGGGGCCTCGTCTTGCAAGTACCTT
CAATCACTGCTACTGTCTGGGCCATTACTGCCAGTCTGGCCGGTGTCTCCACAGTGGAT
GGCTTTGCCTCCAGCGGTGGACCACTGTGTACCT

Sequence 3469

CGGGGGGTGAGGGAGGAGAATCGCTTGAACCTGAGAGGTANAGGTTGNGGTGAGCTGACA
TCATGCCACTGCACAATGCCTGGGTAACAGTAAGACTTTGTCTCAAAAAAAAAAAAAAT
AGAAATTTACNAAATATAGAATATGTAACCGATGTCAACTTTTATCTTTGTTTTTAAAG
AAAGGCANCAAACNCATTTAAAGAGCATAAACCAAAAGATATAANAACCCATGGCCTTAT
AAAAGTCATTTAACCACACTNACCCCTGGGCACTGATTNTNCATCCANAGTATGGGAGTG
GTGAAAATCTGCTTGCTAGGCTTGGTNTGAGGTGCTAAATNAAGTNGAGGGCAGGGGGGA
GCCCTTTCTTCCAGGGCCCCGACACATTTTTCAAGTGTNCCNTGNGTTTAGNGGGNTGA
ACANNTNAGAATTGGAAANTGTGGGGTTGACTGCACCCACTTTGNNCTTNTTTTNTGNN
TTTGTCTTAAATTTTTGGTGCANGTNAANACAGTGANGGTNATTAGTTTTGTATTGANTG
CATGGAAAAAANAATTTGNTAGTNTNTTGGTGTTGAATTTTTNCTTTATTTNNCT
GCCCCNCCCTTTT

Sequence 3470

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACAAAAGATGTTGGAGTC
CAGTAAGCCCATACCTAAATTAAGTGTAAAGCTTCAAGGACTTTTTGTTTATTTTATAT
ACTAGTTTTCTCTGTGACAAGTTGATTTATCTCCAAGACTTAAGGCCATCCCTGGCT
CTTTCACGAATTTATATGGCCGGTAACAGCAGCATCTGGTCCCTGGTGAATTGGCTT
CTCAATGCTGACATTTGCAAGTGCATCTTCACCAAATATGAAACGAGCATAAAGGTTGGC
TGCCATAAAAGCCCAGTAACCCAGAAAAGGGCCTTTTCTGGAGTCAGGCATTTCAATTGG
GTTTGACTTTAAATATTTNCCTGTAAAGTAGTCATTTAAATCAACCCATGTTTGGGTG
TAACTGGNCATTTTTGTTTCCCANTTCAAATTTNCGGCCCCACATCTTGAACGGGNA
ANTCTTGCATCANGTNGCAAAGNTTGCCAGGCTTGGGAATANAAGTCCCATGGAATGGTN
CGATNGTGGGAATATTCACCTGNNGAAACCCACACAAATTTCTTGNTCCACTTTGGCTT
GGCTCCCAGNNGGACCATTCAATAAACTTATTNTTTACCCAAAAAATTTAATTTT

Sequence 3471

CCGGGCAGGTACACATTTAGCCACAGGGCCTAATAAAAAGCTTAATAGGAATGTTTCCC
TTTCTATTCAAGGTTCAACTTAGGAAATAAATAGTGATTATAATGATATTTTCATAGAAAC
AAAAACCCAGTTGAGGCTTTACTTAAGTGGTATTTTTTTTTTGCACCTATTTTTATGAA
GACACAGATTTGGTTTCAGAAATTCAGCTACTGAGCTCCAACCTACTAGGGCAGGTGACCA
CCTTGAATGTCAGGTGAGGGGAGAAATTGCTCCAGGGTCCATCANCAGAAGAGCTCATTT
AATTAACCACAAACTCAATGCAGGACACTGGCACTTAATGATNTGGGACCCGCGTACCTN

Sequence 3472

CCGGGCAGGTACCAAGCTGGGGTAGTAAGTAGTAGAGACTGAGCCAGAGCTCAAGCCACA
AGTGAGTGTGACTGTCCCTCCAGGGGACACTGAGAACGATGGCTCCTGGGTACACACAGT
CTGAGAATCCACTCCTGATCCATAAGCAAGGAGTCCGAGGAGAAGCATCATCCAGGCCAT
GGTGGGGACACTCATGAAGGCTAAGTGTCTCAGGCTTCCCAGCTGGGGTTTGTCTTCT
CAGGGCCTTTTCCCCGCGTACCT

Sequence 3473

AGGTACGCGGTACGACGCTACCTGAGCCTGACGCCCCGAGCAGTGGAAGTCCCACAGAAGC
TACAGCTGCCAGGTACGCATGAAGGGAGCACCGTGGAGAAGACAGTGGCCCTCGAGCGG
CCGCCCGGGCAGGTACGCGGGGTCTCCCTGACTTGGGACATGGCCTGTGCGATTATCCT
GCCCCCAGAGAAGGAGCTTGCCATGCCCGGGGAGGACCTGAAGTTCAACCTAATCTTGCG
GCAGCCAATGATCTTAGAGAAAGGCCAGCGTTTCAACCTGCGAGATGGCAACCGGACTAT

Table 2

TGGCACCGGTCTAGTCACCAACACGCTGGCCATGACTGAGGAGGAGAAGAATATCAAATG
GGGTTGAGTGTGCAGATCTCTGCTCAGCTTCCCTTGCGTTTAAGGCCTGCCCTAGCCAGG
GCTTCCCTCCTGCTTCCAGTACCTCGGCCGCT

Sequence 3474

CCGGGCAGGTACGCGGGGACACCAAACTCATTACACAAAGAGGTAAGGTCCCAGACC
ACGCCAAAGCTTCTGAGACCTCTCCTCATCTGTGCATGGACGGATGACCAACTCTGGGG
CCCAGGCTGTTGCTTCCAGTATAATGATGAATCCGCCATAGTCTGGTGAGTGTAGAGGC
TGACTCTGGAGCCCAGGCTGTACCT

Sequence 3475

GGGCAGGTACAGAATTTTGGTCTGTAAATTCACAAAAGCAAACCGAGTTGGCTGAGTCT
CATCACCTGCCATCCGCACAACTTCACTTCTCCAACCTGTTTAAAAAATTCAGTAGTT
GATCAGCTGTCGTTGTCTGGGAATTCAGATTTCCAACATAAACCGTTCTCCTAATTTTCAT
CTATTTTGAAGGATCCACGTTTCCATAAGTGGTGGCTGNGGTATCTCTCCAAGTGTG
CAATGTTGGGGTCTAGTGTCTGCTGCTATAGCTCCCAAACTGCTAAGTGAAACACCAA
GAGTAGTCAAAGGATTTGGGGTCCGATTTGGAAGCAATCCTGCACCAGGCATCATACTG
TCATGTTGGAGCAGGAGCCAATAAAGAGAGGGCTTTGGATTCTCTGGGATTTTACCTG
CAGAGGCAAGTTCCAAACATTACAAAAAGCAGAAACACCACACAACTTTCACTATGATT
TTACAATTACCTTGCAGTTAAAAATAATAATAAATNAAATCTATCTATCAGATCT
GTATAAAGAAATAAATAAAGAACTTAAGTCTTTCCTTTTATCCTGCTCTACTAGGGAAA
AATNAAAGTGAGCCAAAACCTTTCAAAATATTTAACAATTCTCATTAAATGGGAAATATT
ATTTTAAAAA

Sequence 3476

CAGCCCAAAATACTATCTTAAAAAATTTGAAGACAGGNTAACCAAAGGTTCTGGCNGN
CATCCATGTCCAAAACAAACCAATGTGTTGCCGTAAAAACATTTGCTCTTGAAAGTAG
TCCCTTAGCCAGGCGCGGTGGCTCACACCTGCAATCCCAGCATTTGGAAGGCCGAGGCAG
GTGGATCATCAGGTACAGGATCAAGACCATCCTGGCTAACGCAGNAAAATCCCATCTCT
ACTAAAAATACAAAAAGACTAGCCAGGCGTGGTGACACACNCCTGNAGTCCCAGCTACTC
GGGAGGCTGACGCANGANAATCACTTGAACCCTGGAAGTGGANGTTGCAAGTNAGCGGCG
ATCGTGCCACCGCACTCCAGCCTGGCAACAGAGCCGANGACTTCGTCTNAAAAAANAN
CGCANCTTANTANNNCCTNCCCGGNNNGGCCCGNTTCTAAGAACTAAGTNGGATTNCCC
CCNGGGCTTGNAAGGAAATCCAATTTTCAAAGGCTTAATTNGNNTACCCGTTNGGACCT
TNGGAGGGGGGGGNNCCCGTTCCCCAACTT

Sequence 3477

CCGCGGTGGCGGCCGAGGTACCAAATGCTAGTGAGGATGTGGAGCAACAGGAACCTTTCAT
TCATTGATGGTGGGAATGCAAAATGGAACAGCCACTTTGGAATACAATTTCTTATAAAAC
GAAACATACTCTTTTAAAAATAAATACTCTTATCCTACGATCCAGCAATCTCAATTTCT
CATGGTATTTATTCAAAGGAGTTGAAATTTATATCCACACAAAAATCCACACATGGATGT
TTGTGGCAGATTTATTCATAATTCTAAGAAGTAGAAGCAACCAAGATGTCTTTCTGTAAG
TGTCTTAATCCATTCAACCTGATATACCAATGACAAAACATCATAGATTTGCTGGCATTTA
AACAAATAAATTTATTGCTCACAGTCCTGGAGGCTGGAAGTCCAAGATCAAGTCATGGC
ACATTCTGCATCTGGTGAGGGCACTTCTGGTTCATAGATGGCTCCTTTTGTGTCATCT
AAGTGACGAATCTCTTTCATGAGGTTCCACCCTCATGACCTCATCACCTCCCCAAAAC
CCAACCTGGGGCAACAGAGCAAGCCTTTGTCTCGAAAAAANNAAGNNNNCNAANGG
TCCTGCCCNGGCGGCCGCTCGATGCCATTTGATGCCTGCTTAATCCCCAAAAGAGCCC
TGCNCAATNCCACTTTGCTCANGGGGAGGNCGTTTCCCTAAGGCAAGCTNGAAAAAATAG
GGAAAAACTGGTTTTTTTTTTTT

Sequence 3478

CGGGCAGGTACTGTCCAACCTGGATGCTGCCCTGGTGGCTGAAGGCACACTTCATGATGCT
GTCCAGGGTCATCAGGGAGACATGTTGAAAGAGCTCCAGACGTGAGTTTTGGGCAATGTG

Table 2

TTCTCCCATTTGTTTCAGCATCATCCGAACACTCTCAGACATCATGGTGATGAATATTTT
CAGAATGCTGATGTTGAAGCCAGGTTTCACAATCTGGCGGTGCTTTTCCATTAGAACC
ATCCAGGGTCACAAGTCCTCGACCAACCCAGGATTCAAGGATTTTGTGGCTAACAGCACT
TTTGGGATCTTGCTTTTTCAGGAGAATCTTGGCATAGTCTGGGTCTGGACACTGAAGAA
CATCGTAAAGGGTCCAACCCACAAGGGAACAGCACATGGGTATTTTCCATCAGCTTATG
ATACACCTCAAACCTCTTTACTGGGTAAACTCCTTGTGGCCATAGAACCAGTGGGGCAG
GGGGTGCAGGAAACAGGTACAGGGCTCTGATCATCCATCTCCTCCTCTGGTACCT

Sequence 3479

CTATANGGCGAATCGGAGCTCCCCGCGGTGGCGGCCCCGAGGTACCANAAGGGCTCCCGCT
CTCCTCTGCCCAAGAGTGAGCGGTTCTCTGCCAGGACGGGGGAAGGAGGCCAACCTT
GTAGGCTTCGTCAATGTTGGCATTACACAGTGCTGGATCATCTCCTTTACCAGCAGTGG
GTGGGGCTCGTNACAGACCTGNCCAAAGGGAAAGGAAAGGCGGTACAGGGCTANAAGGGA
CAATGTGAGCGGGGAGGCCCA

Sequence 3480

CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTNCCAGGCTAA
GTAGGTGGTAAATTGAC

Sequence 3481

CCTCACACCAACTANAACCAACCCAGNTCTNAAAAANANGGAATGTNAAANTGTNATGTTT
AANTTTANATTCAGTGCCTGGAATCTTNTCTTCACAATTGAAATGAAATGTGCTGAAGGA
NGTNAATCCATGCATTAATCTAAAGNTGACAAAGGAAATANTATATNATANGCAACACCA
CAGACTCAAGACGGACATAATTGGATTTTTTTTGGCATGGCCTGGAAAGAAAGGTACCTG
CCCG

Sequence 3482

GAGCTCCCCGCGGTGGCGGCCGAGGTGGGAGGAATGCTTGANCCCCCAGTCTGGGCANTA
TAGTGAGACCCCNCTCTGCAAAAAAGAAGTTCAGAGGCCCANACTTGCTACTGGTGC
CCAGGGGGCTGTGGGGCAGCTTGGGCATTGAGCCCTCATGCTGTGGGATCTGATGCTGTC
TCTAGGTAGATAGTGTGGAAATTGAATTGGAGGACACCCAACTGGTGTCCGCTGCAGAA
CTGATTGCTTGCCTGGTGGTGGGGAGAAATCCTTACATATTTTTTGGAGTCACAGAAGTC
TTCTGTGTTGATTGTTGTAAGTGTGAAAGCAGAGGAAAAACAATGGTTTGGGTTTTTCA
AAACAACTTTCATGACACATACGAGAATGTAAATTCANAAAGGGCCAAGGCCATGTCTGT
TTTACCTACTCTTTTTCCCCANCTTCTANTACCTGCCCGGGCGGC

Sequence 3483

CTGATTGGAGCTCCCCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGA
AAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAA
CGGATCCATTAAGCCAGCACCAAGGAGAACATCTTGACACTTATGGAATTTCAAAAAGT
ATGATATGATGGCAATAAAGTGGCTCTTCAGCCAAAAAAAAAAAAAAAAAAGNNCCC
CCCCCCCCCNNGGGGNNNNNGGGGCCCCNNAANNAAAAAANCCNTTNNCCCCCNNGG
NTNTTNAAAAAAACNTTNNNGNNNTTGGGAAAAANTNNNNNNNNNNGAANNCCNATTT
TNAAAAAAAANNCNAAAAGGNTTGNCCNTTTTTTTTNGGGNNNNCCCCCNNTTTA
AAAAAAAANCCCCNGNTTNTGNNTTGGGGNNNNAAATTNCCCCCNNAAAAAA
AAAAAAAANNNNNCCCCCNCCNTTAAAAAANGGGGGCCCCCNCGGGGNGNNA
ANTTTTNNAAANNTTTTTTNNCCCCCCCCCCCCGGGG

Sequence 3484

TGGAGCTCCCCGCGGTGGCGGCCGAGGTACATTTTGAACCTCCAATTCCACCCACAGAG
CTTGGTGCTAGCTCTGCACACGGTAGATATAAGCAAGAACTTAGGCCGAAGTGAATTGAA
TGACCCATTCTTACCAGATAATTCTGTTCTTGACAGGGGTATTTCCGATCTGGGTTCTGCC
TCAAGGCTGACGGAATCAATACATTGACAAAGTGATCCTCAGTCACGTCTCCATTGAGA
GGGGGCTCCAGGGCGTTGGCATCCTGAGGCTGCACAGGGGGCCCAATGGCGGCAGCCCCCT
GCACCCTGCACAGCTGCATTTTCATGCCCTCCCCTCTGGGGTCAGCTGGTGTGGCTCA

Table 2

TGTGAAACTGCAGCTGAATCACAATGCACTTCTGCATCCTCAGGTAAAGAATCACTA
Sequence 3485

TGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGGTCTTGCCATAAATCAAGAAGAGAGCAG
GAGAACTGAGAACTCCTCCCTTCCCCCACCAGAAGCCTTGTGTCTAGTAACAGGTAAC
AACAGCCATCTACTGTTGGAGAAAGAACAAAGCATGGAAAGGATGGAGCAGGGAAAGAG
GGAAAAACAACAACCACTCTCCAGCACTCCAGGTCTTAACATTAAGCACAAAATAGGAG
CAGCCTAGCCCACCACCGAGGGATTCAAGTCTGTTGCACACTGAAAATAACCATGGCT
ACAACAAAACCAATTCACCGCAAATGCTGACTAAATTGACTAATAGCCCCATGCTAATA
GCTTGATGGAAGGATAGATATTCACACTTTGAACATTTGCTTCAGTGTCTACTTTTCTTC
TATACAACATACCTGGCATTAAATTTAAAAAAAACACATTTAAAAATGTTAAAAGACC
TATGTGAAAAGATAAAATAGCAGAACCNGACCCAGAGGTGACTCANAAGTTGGAACGACT
NGAGACTACTAGAGACTCAAAAAAAAAAAAAAAAAAANTTCCTGGCNGGGGGGNNNT
TTAAAAAATTGGGNGGCCCGGGGGGGNGGAATTTTTTNNNNNTTTTTTANCCCC
CCCCCN

Sequence 3486

AAGCTCNACCGCGGTGGCGGCCCGCCCGGNAGGTACTTTTTTTTTTTTTTTTTTTTTT
NGGGNATTTTTTTGGGTTTTNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTNTTTTAAATTNGANAGGCCNAAAAGNAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAANNCNNNNNNAANAAAAAAAAAAAAAAAAAATTNTTTT
ATAANANANCANANNAAAAAAAAAAAGANGNGGGCCCCCCCCANNCNAAAAAAAAAAAA
NAAGNTAACCCCCCCCCACCCACNCAAAATNTNATTNAAANAAAAAGANCANTNNNNN
GGGNGNGGGGAGGGAAATTNTTTTTTTNTTNNCAANNNTCCNCNNCNNAAAAAAAAAN
NNNAATAAAAAATAAACANTTANTGAAAAGGGGGGGGGGGGANCATTNNTTTNTAAAAA
AAAAAAAAATAATTTNNATAAAAAAAAAANCCCCCCCCNAAAAAAAAAAAAAAAAAAAA
CCCCCCCCCGAGAAAAAAAAAATAAATTAATTAATNTTTNNCCCCCGNNNGGGGGG
GGGGGGGGGAACAANAAAAATATTTTTTTTNTATAAAAAAAAAAGAAAAANACNCCNC
CACCAAAA

Sequence 3487

AGGTACACACTGAAACCACTGTCAGATTAAGAACTTCCACAACCTGTCTCAGTTCTTCA
AACAATGGAGCAAGTTCCTTTCTAGGCTGACAATTAGTCCTGTATTGGCACTGCTGTG
GCTATGAACTCACCACCAAAGGTAACGATTAAATTGAACCACCTGGTAGGTGTTATAG
TAACAGATGATACTTTTATTTTGGAAAGTCCAAGTTTGCTTCCTGGTCTGTTGCAAGG
GCAAAAGTGGATAAGAAACCAGGTGCAAGCATGCTCTGGAGCATTGTCATTTGCCACT
TTAATAACAGGTACCTGCCCGGGCGGCCGCCCGGGCAGGTACTTCACTGGAAATATGGGC
GCCGAGGTGGCCTTCAACTGGATCATTGTTACATGGAAGAGCCAGATTTTGTGAGCCC
GCTGACCATGCCTGGTTATGGAGGGGCAAGCTTCTGCTGGAGCCTCTGTTTTTGGTGCTT
CTGGACTGGATAACCAACCTCCANAGGAAATCGTACCTATCATCACCTTCATGGGATTTC
AGCGAAATCAGGCTATTCANGCCTACNAGCAACGAATAATNACCTGGAAAGAGCACTGG
ATTGGATC

Sequence 3488

GATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTATGCGGGGGAAATGCTCTGTG
CAGAAGAAGAGCAGAGTAGGACGTGCTGGGTGACCGCGATTAGATTGCTTAAGAGAAGTA
TATCAGAGAATTCCTGGTAGCAATGGACTTCTCAGGCCAGAAAAGCAGAGTTATAGAAA
ATCCCACTGAAGCCCTTTCAGTTGCGGTTGAAGAAGGACTCGCTTGGAGGGTACCT

Sequence 3489

GGAGCTCCCCGCGGTGGCGGNCCGAGGTACTTTNGCTCTCTGTCTTTGCCAATATTTACT
TTTGATCTTTGTTTTGCTTTTATTTGCTTTTGTCTGTTTAAACAGGCTATTCAGAAA
GGCAATAAGGAAGCTGCAAGAATACATGCTGAAAATGCAATCCACCAGAAAAATCAAGCA
ATTGATTCTTAAGAATGAGTGCTAGAGTTGGTGCCGTGGCAGTCAGAGGTCAAAATGCA

Table 2

GTAACAATGGGCAGGACTTCTGCCTTGATGGACAAATTCAAACACCAGTTTGAAACACTG
GATATTCAAACACAACAAATGGAAGATAAAATGAGTAGCTCTACAACCCTAATAACACCA
CAACACCTAACATGTGGTTAGTCAAATGAAAAGAGAACTTGTATTACTACTTTGGATGC
TAATATGGAAAAA

Sequence 3490

CGCCCGGGCGGCGGGGATCCACTGTCCCGGCAGAGGAAAAAATGCCAGCTTGTGGGACAAN
GGAGTGCAGGCCCCGACAACCCTCGGCAGGCCCGAAGGATGTGGCGATCTACACAGAAAGA
TTCACCTGGGCTCCAAAGTTGGCCCTTGTTCCAGTATTGGTTATGAATCTTCTTGTTCAT
CGCTTCTGTATTTATGTTGCACATTTTGGGGCAAAGTACCTCGGC

Sequence 3491

GAGCTCCCCCGCGGTGGCGGCCGAGGTACGCGGGGAGTGTTTGGGGAGGTCAACGGGCTA
TGCTGGCTTGACAGGGCTGGGCTCTTCAGAACAGAAGCATGGATCTCGGAATCCCTGACC
TGCTGGACGCGTGGCTGGAGCCCCCANAGGATATCTTTCACAGGGATCCGTCCTGGAGCT
TGGACTCCACTTGCCCCCTCCAGAGGGTTCGGTGGCCTGTCAACCCTGTCTGACCGA
TGAAGGAGAANCTCTCTGGGCAGGAAGGGTTCCCTGCCCTTTACCTGCCCTTACCAAGG
CAGAGAAAGGGTCCTCAAGAAGGCAGGAGGAAATCCGTACAAGCATCACTTANGAAGTC
GCGGCGGAAGAAGGATACCTGCCCGGGCGCGTGAATCTNTAACATGGATCAGCGCCT
CCTTAAATAATCTGCAGAATCCATATTGAAGTAAAAGTTGGCCTTANTAGCTTTACAACC
GGCAAATACTGNAACCATCGGANGCAAACAGCTTAAAGTCTTCGTATATCGTACCTCGG
CCCTTTTAAACTAGTGGATC

Sequence 3492

TGGAGCTCCCCGCGGTGGCGGCGTNCNTNGAANTAGNGCANACACCGGCTGCTGGAATAAN
GCNTTNGNCTTGNCCTGCCCCGACGACCTTGAGGGGGGGCCGNNCCNCNTGTTNTGTGNC
CNNNGGGACNGGTGAACTGCCCCCTTGNGCNCNTATGGTNTTANNNNTCACTTGNACAA
ATGAGCGACTCANTATCTTTTATCAAACCATTGATCACCTGCANGCTATGGTATATTTT
GCAGCTGTGTAGAGCTATGTGGCATGAGAATGTGGACTTATAAATTGCTGATCCAATAAA
TAGACATTATGGGCAACAGTGTCTTATCAGCTAGTGGTGTNCTAAGGTTTCANGGAACAG
TTGTCTGACCTTACTATCCAACGAGGAGTAAGTCACTTCTCAGAGGTATAATTAACC
TAATTTGGACATCACAGAAATGCCTGAAAAATAATTCTTCAGTGCATTAAACAGTCCCCTG
GATCTATTAAAGTAAGCAAAAAAAAAAAAAAAAAAAAAACCCCCGGCCNNTTAA
AAANNNGGNCCCCCGGGGGGGGGNNTTNTNNNNNTTTTNNNCCCCCCCCCCCC

Sequence 3493

CGAGGTACCCAGTCGTATCCTCTGTCCGCATGTGTGGCCAGGCCTGACAAACACCTGCA
GATGGCTGCTGCCCCAACCTGGACCTGCCAGGAGTTGGAGCAGAAAGGGCTCTCCCTG
GGGTGGTGTCTCCTCTAGGGTATTGGGATGCATGTTCTTGCACTGCCAGCAAAGGGGG
TGTGTCTGGGGGGCCACCACCTATGGGACACNGGGGTGAAGGGCCTGTACCTGCCCGGG
CGGCCGANGTACTTTTTTTTTTTTTTTTTTTTTTAAAAATNTTGGGGCCNNNGGNT
NTTNTTAAACCACTTTGGGGGGGGGANAACCNNTCCTTTTTTTNNAAAAANTNNNTNAA
CCGGGNNTTTTAAAAANNNGGGGGGGGGGGGGGACNATNTNANANCCCCCNNTTTA
GGGGGGGGGNTTTTCTAATTTNANAAAAANTNTTTTTTAAANANGGGTNTTTTNTATTN
NGAAAAANTNTNNTNCCCGNNNNAAAAAANANACC

Sequence 3494

CCGGGCAGGTACCACCCCAACATAAGGCAAGCAGAAAAATCTGCTGTCACCACTACGGCTG
ATCCTCTTTTGCAAGTGCCACCTCCCGGCTGGAGGCCAACCAGCACAGTCCATTTCAACA
TCTGCAAGCACAAAAAGCACAGCACTTAGGAAGAAGAAACATTTGCATGACCTCAGCTA
TCATCATTGCCTGAGTCATTCTGGCTAACCAGGAGATCTTGAGTCTCTTCACTTGCCCAA
TACCTTACTGTTACAGCTGGTATTTGACAAAGCCAACACACTAAGGCTCTTCTAACCAA
GGAAATCTCAGTATCTACATCTCCCGCCACCCCATCAGAGCTGGTGTGGTACCT

Sequence 3495

Table 2

AGGTACGCGGGGTGTGTGCCATCATCGAGCGTGTGCAGCGCTCCTGGAGGAGAAGGGCAC
TACCCGAGGAGGTCTGCCGATCTACCTGCTGCGCATCCTGCACACCTACTACAAGTTTG
ATTACAAGGCCCATCAGCGACAGCTGACCCCGCCTGAGGCTCCTCAAAGTCTGAGCAAAG
ACCAGGCAAAAAATGAGGGCGAGGACTCGGCTGTGTTGATGGAAAGACTTGTGCAAGTAC
CTGCCCGGGCGGCCGTCTAGAACTAGTGGAT

Sequence 3496

TGGAGCTCCACCCGCGGTGGCGGCCGAGGTACTTCCTGCTTGCCTCATGAAAAGTGGTCC
TCTGGAAGGCCAGGTGAAAGCTCGTGGTAGTGTCTCCTCAATGATGTAGGTATAGGAC
TGTTGCCCTTTGGAACCTTTCCACGTCTTCACAGGAATGTTGGTCCTAGAAATTCACACC
CCCCATGAAAGTAGAANCTCACAAGTTCACANAACAAAAGGTCTCAAAGACAAAATGTG
ATTCTTGCCACCTNTTTATTCTCTTGTGTCTTGCCATCACCCGACTGCGGAGGTCTAAAT
CCTGGCCAACCAGAGTGAGAATCATGAANTCATTGTCTGAGGCTNCAACAGCTTGTGTAA
ATGTGATCACCAGCCACCTTCCAACCTGTCATGCCCTTGTACCTTGCCGGGCGGNCGNTC
TA

Sequence 3497

GTGCGATCTGGTCTCCAGGTTCTGTTTTGCAGGCGGAGCTGCCGGGCCTCTGCTTGCA
GGGGTCTCAGAGCCTCCTTCATTTCTGATCTCACCTGGGTCTCTGCAGAGCTTTGGT
CCCAGCTTCTTTCTCTCTAGGAGCCGCAAGTGAAGGCTCATACTCCTCCTCCAGTCTC
CTGGCGGCTCTCTGCCATGAGATTTTCAAAGTGGGAGAGAGTCGCCGGCTTTCTGGAG
AAAGTGCCCATCCCTCTGGCTTGAGGGGCTTCTAGTTGTTGCCGAGCTGCTCCTTCTG
CTTCTGATAGGCATCCCGAGCAGGGCCAGTTCCTCTGAGAGCTGGGTGCCCCTTGCCCC
CGCGTACCTGCCCG

Sequence 3498

CCGGGCAGGTACGCGGGGAGAGCCCTGGGGAGGAACTGCTCAGTTAGGACCCAGAGGGAA
CCATGGAACCCAGCTCAGCTTCTCTTCTCCTGCTACTCTGGCTCCAAGATACCACCGA
AAAATTGTGTTGACACAATCTCACCACCCTGTCTTTGTCTCAGGGGGAAAAANACCACCCT
TTCTTGTAGGGCCAAGTCAANAGTGTTAGCACCTACTTAGCCTTGGTACCTCGGCCGTCT
AG

Sequence 3499

CGCCCCGGGCAGGTACCCGGCCAGGATTTTTTTGTTAACATTTAAGATTTCTACTAAATTG
TTGCTTTTTTATGTGGCGTGGTGATTGTGTGGTCCCAGCGCTTTGGGAGGCCAAGGCAGG
TGGATCACCTGAGCTCAGGAGTTTGAGACCAGCCTGGCCAACATGGTGAAATCCCATCTC
TACTAAACGTTCAAAAATTAGCTGGGCATGGTGGTGCACACCTGTAGTCCCAGCTACTCG
GAAGCCTGAGGCATGAGAATCGTTTGAACCTGGGAGGCGGAGGCTGCCGTGAGCTGAGAT
TGTGCCACTGCACTCCAGCCTAGGTGACAGACGGAGACTCCATCTCAAAAAAAAAAGAGA
GAGANTTTGTCCNGTGTTNCCTGGCTTNGGAAATAAANAAGGANANAGAGAGGGAGGGGG
GGAAAGANATAAAGAGANAGAGAGAANGAGNGTGNGAGAAAGAGAGACCNNGANACCNTG
AGTTTTGAANGAANGAAAANGAANGAANGAAAAGNNGCCGGGCCNCANTGGCCACNCCT
GCATTTCCANCCCTTGGGAGTTNTNAAAGGCAGANAAAAAATTGCTCCATGGNAATTTCC
CAACCTTTGGNAAAAAATTAGCNCTTTCCGGCCCCANGGGTTAAAAAACCAAATTTT

Sequence 3500

GGAGCTCCCCGCGGTGGCGGCCCGAGGTACATTAGAAAAACAGGACTTAGGCCAAACAAAC
AATACTGGATACTGAATACAAAACAGTATGATTTATATTAAAGTTTCAAAGGTTGCCT
GCAAAGGAGAATATTACTACTAGTCAGCAGGAAAAAATGCATTACAGAACCCAAGCAGAA
ACCGCCAAATGTAATTAGGTTAAGAAAAGTTACCTTGGGCAGTGTATTAGTTTTCTATT
GCTGTGTGACAAATTACCCCAAATTTAGCAGTTTAAAAAACAATACCCATAGCAGTTCTG
TAGCTCATGAGTCTGGCACAGTGTGGCTGGATTCTCTGCTCAGGGTCTTAAAGGCTGAAA
TAAGGGTTGGCAGGACAACATTCCTTCATGGAGGCTCTGGGGAAGAATCTGCTTCTAAGT
TCATTACAGGTTGTTGGCGGAATTCAGTTCCTTGCTGGCTCTCAGCTGGAGGCCCTCTCT

Table 2

CACCTCAAGGCTGCCTGCATTCTTCTTATGTGGTCCCCTNCAGCTTCAAACCACCTTCC
TGCTCTTTCTCATGCCCTTNATATCTNTTTTCCGTCCTCCTGTTTTANGGGCATATGAATT
AGCTTCAAGCCCCCAGATTTATTTTAAAGTTGGATTGGTGCCAATAGAACATAAATTG
CAGGANTACCTTGCCCCGGCGGGCCGCCCGGGCCAGGTTCCAGTNTTGTNTTATGATTT
TTTCACACCTTCTTGAAATTTTTACCAATTCAAAAATNCCCAAAGCTTNTTTGAAGTTTT
TTGATTAANCCCANAAATACACTTCCCCACCTTAAACCTGGTTNAA:AAAAAAAAAAAA

Sequence 3501

GGAGCTCCCCGCGGTGGCGGGCCGCCCGGGCAGGTACCATGGAAAAAATTGCAATGAAACA
ATATACCAGCAATATTAATAAAAAAGGAAAGAAATTATTGAATACTACCTTCGCCATTAG
AAGGAGGCATAACCTTTGTGCCCCATTGGACTCCACCTTCCATCACGCCCTCTTCAGAGA
CATCTTCGTCATCTGCAAGAAACAAGCAGCGTCCATGGCTGTTGTCATCCCAGATGCTG
TCCTCAAGGAGGGGCTGAGTGGCGATGCCCTCAGCAGCCCCAGTGCACCTGAGCCCGTGG
TGGGCATCCCTGATAACAAATTAGATGCTGACTACATCAAGAGATACCTGGGCGATTGGA
CTCCGCTGCAGGAGANCTGTCTNATTANACTTNACGGGTGGNTCTAGGAGACCCCCAAGG
GTGAAATCCAAAAGATGAACNTATTCTTCAATTCCTATGTGCATGGGATTTTAATATTG
ACAAAGCCNGAGAGATCATTTGTCAATCTTTGGCGTGGAGGAAGCACCCCNNGGTAGACTA
CATNTTGTCTCTGGGCCGGTCCACAAGTTCCTTTAAATTAATACTACACCGGGANGGNTGG
GGTTATTACCACCAAAAATNGGGGGGCCCTNTACNTCTCAGCTNGGGCAGATGGCACCCA
AGCTTTGTGAAAACCTCTNNGAGGAAANCCCTTCTTAAAAACNTTNTTCTAAATTA
A

Sequence 3502

TTGGAGCTCCCCGCGGTGGCGGGCCGCCCGGGCAGGTACGCGGGGGCAGAGAAGTTTCCGG
GACTGTCCCCACGACAGTCCGTTTGTAGATTCCCTGATCTGCAATTCTTCCGTTCTT
CATGGATTTGAAGGCTCTCCTTTCTCCTTGAATGACTTTGCATCCCTCTCGTTTGTGA
GAGTTGGGACAAATGTTGGATTACTGGTGAACCAAGCCCACCACATACTGTAAATACACT
CTTCTGACCAATGACCTGACTGAGGAAGTGATGGAGGAGGTGCTGCAAAAGAAGGCAGA
CCTCATTCTCTCCTACCATCCGCCTATCTTCCGACCCATGAAGCGCATAACCTGGAACAC
ATGGAAGGAGCGCCTGGTGATCCGGGCTCTGGANAACAAAAGTCGGTATCTACTCTCCTC
ATACAGCCTATGATGCTGCGCCCCAAGGCGTTCAACAACTGGTTGGCTAAANGGCTTGA
GCTTGACCTTNGNCCGCTCTAAAACTAGTGGAT

Sequence 3503

ATTGGAGCTCCCCGCGGTGGCGGGCCGANGTACATATTGNCCATCNGCTCNAAAATNATGA
ACTCCTGGGTCTNATANTGGGCNAACAGGGAAAAAAGTTGGGACNTGCTNCCTGTACCCA
CNTGGTTGCCTTGCNNGTCCNTTCTNNGACTGAGNTCTGGACTTGAGAGCCTCTTGNACN
ATGGCTTTTCANACAACTNTTGTATACCNCTNNCNCTGGAANATCCATCTCNCNNTGTC
TTTTCTNACTNACATGGGGNCCNCCNNGNCCNCANGANAANACACCTNTCAAANGTGNCA
AATNNGGNANGGACTTAATACTTNTCATGCCTNGAGGACNCCTGTCTACTCAGTTTTTT
TTTGGTGGGGCGGGGGCGGTGATAGGGTCTCGCTCTGTCACCAGACTGGAGTACCTGCC
CG

Sequence 3504

CGAGGTACGAGAAATACTGTGGTAGACAGTAGTAGCTCCCCAAAGATGTCCACATCCTAA
TCTTTTGGACTTGTGCTTATGTTACCTTGCAATTGAAGAAGAGTCTTTGCAGATGTGACCA
AATTAAGGAATCGAAATGGATAGATTAGCCTGCATTATCCAGGTGGCCCAATGCAATTG
AAGAGTTCTTAAAGAGTTAGAGAAGGAGAAGGGAAGATGAAAGCAGGGAGTCAGAGGAT
GTGATTTAGATTTTAAATGCTATTCTGCTGGCTTTGAAGATGGGGAAGGGGGTCAATAG
CCAATGAATGCAACCAGCTTCTAGAAGCAAAAATGGAAGGAAACGGATTTTCCCCTAGA
ACCTCCAGAAGGAATGCATGTCTGTTGACAGCTTGATTTTGGCCTAGTAAACCAATTTT
AACTTCTGAATTCTGGAATAGTAAAGAAA

Sequence 3505

Table 2

GGAGCTCNCCGCGGTGGCGGCCGAGGTACGCGGGATCGCACTGATTACACTCACAACACC
CTAGGCTCACTAAACATTCTACTACTTACTCTCACTGCCCAAGAACTATCAAACCTCTNA
CCAACANCTAAATATGACTAGCTGACACAATAGCTTTTATAGTAAAGATACCTCTTTACC
GGACTCCACTTATGACTCCCTAAAGCCCATGTCCAACNCCATCGCTGGGTCAATAATAC
CTGCCCCGGGCGGNCGTCTAACTANTGGATN

Sequence 3506

TTGGAGCTCCACCCGCGGTGGCGGCCCGCCCGGGCAGGTACGCGGGTGATGTGGCTCTGG
AAGGCGTGAGCCAATTCTTCCGCGAACTGGCCCCGAGGAGAAGCGCGAGGGCTACGAGCGT
CTCCTGAAGATGCAAAACCAGCGTGCGCGG

Sequence 3507

CGAGGTACAGTGCAATTTGGCGGCGCACGCCTCATTACGATTGCGCTGCTTGCTTCTCCT
GTCAATCGTTTCTTTGGAAGGCAGTGGATTTTCTTTGCGTCTCTGCTTCTTCAGTTCTGA
CTTATCGAATTCTCGATCTCACCATATCGGGTTTGCAAACATGGTTGCGGAGGAAAAAG
CGAAGCGAGGCGCACGAATACCTGCCNGGCGGCCGTCTAACTAGTGGATCCCCGGCTGC
AGGAATTGATATAAGCTTATCGATCCGTGACCTCAAGGGGGCGCGGACCCACTTTTGT
TCCCTTTAA

Sequence 3508

GCCGAGGTACATTGCAAGTGCTTGTCACCTACACAGTATTTAGTAAATACATTGTGATGT
GAGAATCGGAGAAGGGAGAAGATNCGAAGGAAAGAAGGGAATAACCTGACTGTGGGTATT
TTAAGTCTAGCAGTAATCCCACTCTACTGAATCATACTCTGATTTCTAAAGTTTTATTAG
TTCAACGAACTTTGTAAATATTATTTATGTGGGACTGTATTCTCTCCACCCCGACCAC
CAAGAAATNAGGTTGGCTTNGTGTTTCTATNTTAGACTTCTGGAGGAGAAGGANCACGG
ANAATAANANGAATCNGAAGGGCTANAGGGATATAATGTCAAGAGGAGAGTATTGGTTC
TAGACTGATTATGATATANCTCCTGGAGAGCCCTTGTGTGCCTTATTCTGACTGTCTNTA
ATCCTAGCTCTGCCTCCATTTATTTGGGGCTTTCTCCA

Sequence 3509

TTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACAGAAAAGCAGAACATGACAAAG
CCATTAGAAATACCAAGCATGTCTCCTGGAGGGTAAGAGGACAGTGAGCCCTTGAAGCAA
GTTGGGGGGATTGGGAATGATTTTACAGGATGGTCAGAGTTCGAAAGATGGGTAGGAATT
CAACAGGAGTGAGAGGTAGAGCACAAGCTTAGCTGAAAGAACAGCATANAGAAAAGACAA
GTTATTGGTTACTTGAAGAAAAATTAGTGAAGGCCTCAATGCCTAGCTAGGCAGCTTTA
TACCTAATTTAGTGCGGTGATGANGACTACTAAAGGTACTGAGTAGGGAAGTGACATCAT
GATACTNTAATGACTAGGCTGGGGCAGTGGGATTTCAGTNCACTTAGCAAAATCAATAAT
TTGGACCACTTTTGAGGAAAAACAAANGCNTCTAAAGAAAAANAACCTTAATTTGAGGNC
NTNTTTTAANTTGAAAATGGTCTTGAATTTTGGTGGGGGGGTGTGTNTTTTTTTGTTT
TTTGTNTAAANAAAAAANATNAAAAGAACNNTGNNTTANAAAAAANAGGAAANAA
AACAATTTNGGGTTTGGCCAATAACCTTAATAAAATTNCTNAAAANGANACNAAAGCTN
TANCTTTNANGAANTTTTCTTNGGGGGGG

Sequence 3510

CCGGGCAGGTACAAGTAAGTATTGGTTCCCCTGAGTTCTGTGAGCCACTCTAGCAAATTA
ATCAAAACCAAAGAGGGGATTGTGGGAACCTCAACTGGAACTAGTTGGTTAGAAGTTCT
GGAGGCTGGGACTTGCAACTTGGGGAGGGGAGAGGGTGGTCTTGTGGGACTGAGCCCTTT
ACTTGTGCGATCTGATGTTATCTCTGAGTAGATGGTGTGGAAGTGAATTGGAAGACATC
TAGCTGGTGTCCACTGCTTAATATGTGGGGAGAAACCCACACACATTTGGTCACAATTGT
CAAGTCTTCTTAATGAACCTAATCAGAAAATAAGAA

Sequence 3511

CCGGGCAGGACGCGGGGACCTCAGAGCTGAGCTGGGCATGAGTAGATGCTCAGTAAGTGG
TGCACAGGGTTGGTCCCTATGGTGGAGGCCCCCTAACACCGCCCCAACCCCCCTCCATGTT
CTCACAGCTCCACGCACTGAGCACGGGCATGAAGGCCATGATGTCAGAATTCTGCACCCA

Table 2

GGGAGCTGAGATGTGCCGCAGGGCCTGTGGCGGACATGGCTACTCAAAGCTGAGTGGCCT
GCCATCACTGGTCACCAAATTGTCGGCCTCCTGTACCT

Sequence 3512

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACCGTGTTATGCAAATTAAGCAC
TTTTCTCTAAATTCACATGAACTTTTAGAGACGTAGACTATGTTATTGAAGTAACTCAT
CCTAAGTGTCTGTAGTGATTGGAGATATTCTTGCTTATCAAATTGAAGTATTATAAGTG
AGTGACGTGATGTCTGAGATCTATCTTAAAGTAATCCAGTAGGGCAAAGATAAAGTGA
TTGGCCAGTTCTTGATAATTTTTGAAGTAGGCTGATGAGTACGCGGGTAGCCACCTCATT
TTACAGAGTTGAAACTGAGGCTCAGAGACTGAAAGTTAAGCCTGAGGTTGCAGTCAATAA
GAGGCAGAGCTGGAAGTGAACCTACCTGTGTCTGACCACCAGTTCGTGTTCTGACGGCA
GGCTAGTCTGCATCACAGAGTGTGGAGTAGATGGTGCATGCCTGCTAGGATGGGCTAGGT
ATCACTGTAGGTAAAAAACAGCCCCAACTATGGAAATGTACCTGCCCGGGCGGCCGCTC
TA

Sequence 3513

GGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGAAAAGAGTTGGTTACAGATTCATTC
TGTGTCTCATGGCGCTGTGCTCTCTCCCTAGAGAGGATCTAGACTTTTCATCTGTTTAC
ACGGGAAGAAGTAGTTCAAGTTTATGGTCTCATTTCTCATATAAACTGTGAAAATTCTCCA
CGGCTTCACATGCTAGTTTCAAGATATTGATGCCTTGAGAATAAAGCATCTGGTTGTAA
CTCCAGCAGTTTTATATTTAAAGTATACCTAATATAATTGTCAACCACATTACTTTAGAA
AACATAAACAAAAGATAGTTACACATATTTATTTAAAAAATGGTGACCGGGTGCGGTGGC
TCACGCCTGTAATGCCGCGCACGTTGGGAGGCCGTGACTGACAGATCACTAGGTGAGGAGA
TCGAGACCATCCTGACTAACACAGTGAAGCCCTGTCTCTACTAAGAATGCGAAAAATTAN
CCCGGACGTGGTGGCACCCATTCTAATAATTTCTCAAGCGATGCTGCTGCTGGTGGTCC
TTGGAGCTTGCTCTGAGTTGCAAAAAGGAGANGCCTTTGATGGGAAAAATTGGAAGAAAA
GCAGTTGGGATAGAAGGGCAAGACTTACAGGGTCAAGAAAAATGCATTATATTGCTTTTAT
TTCTGGGTATGCTTTTACCCCGAGAAGAAGAAGGAAAGATNNCCGAAATTTTGATTAAA
NNCTTCCTTACCAAAAAAAGGAGGGTGACAAAAA

Sequence 3514

GCTCCCCGCGGTGGCGGCCGCTAGCCCTTGCTGTANATGGCAGCCCCGAGACGCCACGATG
AGCAGGGGCACGCCATAGCCCGATCAGCCCGGTACCTGCCCG

Sequence 3515

TCCCCGCGGTGGCGGCCGAGAGTCTCCCATGGTGACTGTGGTGGGAGATGGAACCATGCT
GGATGTGGAGGGTTTGTCTACCTAGGAGGCCTGCCCTCCAGTACCT

Sequence 3516

AGGTACNCGGGATAGTTTTTCCCATTAATTTCTCAAGGAACACTTGGATCTTTAAGCAC
GGAACATAATCATGATGTTAAAAACAGAGAAAATAAGGCTTTATAAAGTTAATGATTATC
ATCAGTATGAATTAAGGTTTGTTTAATTTCAAGATTTGATTTTTTATACGTGTAATTC
TATTATCTACCCAAGCANATCTGTANTGGTTCCAATTANACTTCTCAAACAGCAAATTTA
TCCTGATTTTATTTGAAAAGCCTCTTGGAATTGATAGTATAGTACGCTCAGGCNTNGGAAAC
TTTCTGCAAACGTTTTTGGGTTTGCAGGCCANATGGTCTNTGTGGCAGNTACTCAGNTCT
GCAATTTCAAGTGTGAAAGAAGCCATANACAGTACCTGCCCG

Sequence 3517

CCGGGCAGGTACCACCCCTTNTTGATGATTAATTTANTGACCTNGNTTAANCTCATCTGC
CNAANGNACGCCCTTGGCANTTGCTACTGGACCTGCACTANTCATGCAGCCTGTGTCAGC
CAATCANCTGAAGGAAAGATAAATTATCCTNTGTTCCAGGAGAAGTGTCTTCCACTGAAC
CTGAACCAGGAAGAATATGCCATAACTGTGTCAGCAGGCATCTTATAACAAGTAGAGGGG
GCACCATCCTTGGGATGAAGTTAATGCTNTGAATGATNACANGAGAAAANTACTTAAGTC
CTGAATGATACTGCTGTTCCAGCCTGAGGTCTGTCCTAATTTCTATTTATNGTTACATAA
GAAATCCATGTCCTTATATACCAATTTGACCCAGGTCTTCCAGCAACTGGAAAGTAAAAAG

[illegible]

Table 2

GGGTTCCAGCGGGACAGAAGAGACTGCTCCTCCGGACTCCCCAGTAGATCCTAAGGCCT
TCTCCTTGCTCTTGTCAGGGACATCCCAGGGAAGGTGAACCTTGCCCAGGCAGATGCGA
TAGGCAGCGCTCAGAGGAATCCGCTGCAGCTGCACAACTCAGCATGATGAAGTCGTAT
TTGCAGATCAAGAGAGTCTTGCTGTGACCAGTAGAATTCTCCTTCTCATTGGTTCCA
GTGGTCTATCTTTGTCAAGAGCCAGAAGCCTTGAATGGGTCTCTCCAGAAGTCTTCANG
CTACGTGACCTTTCAAGTCTTTCATGGCAAGTCTTCAATGGGNCCCC

Sequence 3525

AGGTACGGCATCATCACCATGTGAGGCCTGACGACCCCTAAGCTCCGGGTATACCCGCAC
AAAACCTCTACGTCCCTAATCGGAAGGTGAATTCTATGTGCTGGGCCTCACTGAATCAC
TTGGATTCCACCTTCTGCTGTGCTTCGTGGGACTTGACAGATACTCCAAGCTGTGCCGTG
CTGCTCCAGCGTCGCTGTTCATAGGTAGCTTCCAGGAATGCGTCGGCCTGGCATGCTT
TGCAGTTTCCAGATCCCTGATGCCCGGTCTGTGCCTGGTCCCTGAGCATCCACGCGTAT
CACTCTTTCAGTACCTGCCCC

Sequence 3526

AGGTACAGGAAGCAGCAGAAAGGCCCTCGGAGCTCACTGGGTCCCCAAGCAGCCATTCC
TGCCTGGCAACACAAAGATCCATCCGGAGGGCGGCCAGAGGAGCAGGGGGTAAAACCTCTA
CAGGGAGAAGGAATTCTCTAGCTGAACCTTTGTAACCATTTGAACAGGGCAAGAAGCCTCC
TGGCCAGAAGCTCAGGGGAGGGCGCAATCTGGCCTGCAGACTTCACAGGCAGGGGGAGGA
ACTAAAGCCCTTTTCTCTGGGGGCTGGGAGATGGATAGCATTACAGCAAATTTCAAGCCA
TTCTCACCCTCCGCTAAAACTGACTCTGTACGGGGGCATAGTGAGAGTGAGACCAAGC
CCTTCAGTTTGGCGTGGGGAGCTGGGTGAGGCCAAGTGACTGTCAGCTTTCTCCGACTTC
CCTGACAACCTGCATGACTCAACANGAGGCAAGCCTTAATCCTCCTGGTACCTGCCCCGG
C

Sequence 3527

ACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCTGGCT
TTAACTTCATATCATCAAAAGAGGCACTGAAGAACTAAGAAAATCAGTCTTGAATCACCA
GTGTCACCCCTCCCTAATCCCTTGACAGCTACAATGTGGTGCTGAGAACATTTCCGTGTG
CTGGGGAGAGGGGAGTGCANCAATGGTGAGGTATTGAACTCAGTGCTGCCCTGTTATAGC
AGAAAGTAAACCAAACCAAACTCAGCTGATGCCACCCACAGAGGGAGCATTTAACTA
GTCTTACTACAGTCACACAGTCTTAGTGATGATAGCCAAAGACAGGCTTGTGTCAACCACA
TCCCAAGCTTCAGGTGGCTCANAACAAGAAAGAGAGACCCTGTTTGTGTTGGGAGAAAGT
AAGGAAATAGAACAAGAGTNTCTGCCAGGTAATCCAAAGAACTCTTACAGATTTTGTCCA
AGACTATCAAGGCAGTATCTNTACTAGTCTGCNAGAACCACAGCATTGGTNGGCTTTTGC
CCCCTAAAGTAGATACAGTTTAAAAATCACACACCTCGAGTTTTNTGNAAAATTNNNG
GNAAGGTCTTGCCCAANAANAATNGGGTCCCTCGGNCCGTTNTANAACCTAATNGGATCCC
CNGGGCTGGGANGGAAATTNGATTTTNAAGCCTTATTGGATACCCTNNAACCTCCAAGG
GG

Sequence 3528

CGCGGTGGCGGCCGAGGTACACCTCAGTCCTACAACCAAGAACCTACCCATAGAACTGAA
GCAGGAAGCTGTGTCCATGCTCCTGACATGAGAAAGTCTTGCCAATGGGGAAAGACAGGG
GAAAACAGAGACTAGCTCAAGTCACAGGGTGAGTGTGAGCAACTTACCCAGGGAGGACGT
AAGTGCCAGGTTCTCCAGAGTCACATCACGGTACCTGCCCC

Sequence 3529

CGCGGTGGCGGCCCGAGGTACAGAAGTTAAACAACAAGAGAGATAATCTTGAAAGTGGC
AAAAGTGACTTATCTCACTTAAAGAGTCTCAATAAGGCTGACAGCTGATTTCTCTTCAG
AGACCATGGAGGTTAGAAGACAGTGCATGACATATTCAAAGTGCTGAAGGAAAGGCTATC
AAGCAAAAGTTCTATCTGCAGAAAACTCCTCCAATTTTAAAGGAGAAATTAAGGCATTT
CCAGATAAACATAACCTGAGAGAATTTTCCACTAGTAAGACCTGTTCTACAAGAAATACC
AATGGAAGTCCTTCAGGCTGAAATAAAAGGGTATTAGATCACAATTCAAATCCACATGAA

Table 2

GAAATAACACTAATAAGGTAAGTGCATAGGTAAATATAAAAGACAGTATAACTGTATTTT
TGTTTGTAACATTTTTCTTCTGTCTGATTTAAATCAATGACATTAAAGCAATAACCGA
TAAA

Sequence 3530

CCGCGGTGGCGGCCCGAGGTACGCGGGGGCGCCATTTTGTCTCGGCAGCGGTGGCCGTA
GCTCCATCGCATTTTATGTTTCTGGCGAGAAGGGAACGGAGTTTTCATCAGGTAGATTGG
TTTTTG

Sequence 3531

CCGCGGTGGCGGCCCGAGGTACCAGGCTGTAGATTTGATAAGCTAGATGCAGTAGACCGA
AACCATCCAAAACCTGTTTAGCTTCTTCTCCATTGGAGTTTATTGGGACAAACAGGAGA
GCCAGCCATTGTCTCCAGTACGCGGGTATTCAATTTAAATGTTGCTAACCTTCTTTCCC
ACTGGCTCTGTATAAAAACTTCTGGACCAAAAGCCATCATTGGAAGATTTAAAAGAACT
CAGTCTCGGTGGGGAAGAGTTTGCAAGAAGTTCTAGATGATGCTGCTGATGACATTGG
AGATGCGCTCTGCATACGCTTTTCTATACACTGGGACCAAAATGATGTTGACTTAATTCC
AAATGGGATCTCCATACCTGTGGACCAAAACCAAGAGAGACTATGTTTCTAAAGTATA
TTGATTACATTTTCAACCGTCTCTGTAAAGCAGTTTATGAGGAATTTAGAGAGGATTT
TATAGAGTCTGTGAGAAGGAGATCTTAGACATTTCTACCCTGAAGAACTAATGACAGCAA
TCATTGGAAATACTGATTATGACTGGAAACAGTTTGAACAGAATTCAAAGTTTGAGCCAG
GATCCAAAAATTACATNCTACTATACAGTTGGTTTGAANGCTTTCACAACTAACCTTG
GATGAAAAGAAAAAA

Sequence 3532

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTGGAGACAGAGTTTCGCACTGATTCA
CCCAGGCTGGAGTGCAGTGGTGCGATCTCGGCTTACTATAGTGTCTGCCTCCCAGGTTCA
AGCAATTTCTCCTGTCTCAGCCTCCCAAGTAGCTGGGACTACAGGCTGCACCACCACACCC
GGCTAATTTTGTATATTTAGTAGATATAGGGTTTGGCATGTTGTCCAGGCTGGTCTCGA
ACTCCTGACCTCAGGTGATCCAGCTGCCTCAGCCACCCAAAGCACTAGGATTATAGGCAC
ACACCACCATGCCCTGCCCAGGCTGGTCTTTGATTCTGGACTTAAGTAATNTGATAGCC
TNGGCCTCTCAAAGTGGTGAATTACAGGCATGAGCCACTGCATCCAACCTATTCCGGCTT
CTCTTGTCTTACCCTTGGTGCTAAGCCTGCCCAGCTAAGGCCAGGGCACTTAAAAATGCT
CGGGGTTTCAAGTTAAAGTTGGANATTTACCCATGTCAGAAAACCCAAGTCAAGGGGGTA
CCTCGGGCCGGCTCTAAAAATAAGTGGGATNCCNCCGGCTGCANGGAATTCNNATATCAA
NGCTTATTCGANTACCGGCCGACCTCGANGGGGGGGCCC

Sequence 3533

CCGCGGTGGCGGGACCCAAGGGTGTGCCACCACACCTGGCTAATTTTTTAAACATTTTGT
AGGGATCTTCCCTTCCCTGGCCTCCCCAGGCGCTTGAATACAGGTGTGAGCCATCGCACC
CGGGCAGAAGTTCTTAGTTTCAATGAAGTCAATTCATCAGTCTTTTCTTTGTGCTTGGT
ATATTTTGTATTACATTTGAAAAGATTTTACTCCAAGGTCATAAATTATTCTCTTAAGTT
ATCTTTTAGAAGTTTTATTATTTGCCTTTCACTTTTAGATCTACATTCTATCTGATTGA
TTTGTGTGTGTGGTGTGAGGTAGAGTCAAGATTCATTTTTTTTAAAGTATGAAGATCCAAC
TGACCTTGCAACATTTATGCAACATTATCTGTCTTATCCAATTGCATGGCAGTATTGC
TTTTGTCATAAAATCAACTGACTGAATATGCCGTGGTCTGTT

Sequence 3534

CGCGGTGGCGGCCGAGGTACGCGGGGTCCCAAGATGGCGTCGAAGATAGGTTTCGAGACGG
TGGATGTTGCAGCTGATCATGCAGAAGCCCGACATCCAGTGCCTTACCTGTATTTTCGAC
ATGGGGGCAGCCGTGCTGTGCGCTAGTTTTCATGTCTTTGGCGTGAAGCGGCGCTGGTTC
GCGCTGGGGGCCGCACTCCAATTGGCCATTAGCACCTACGCCGCCTACATCGGGGGCTAC
GTCCACTACGGGGACTGGCTGAAGGTCCGTATGTACCTGCCCGGGCGGNCGTTAAACATG
TGCTACTGGGCAGGCGGTGCCTCTAATACTGGTGATGCTAGAAGTATGTTTTTGGTAA
CAGGCGGGGTAAAGATTTGCCCAGTTTCTTTTACTTTTTTTTAACTT

Table 2

Sequence 3535

CCGGGCAGGTACCACGGTTTGTGCGTTTGTGCGCTGGCCCTGAGTCGCTCCTAGGGATGGG
GTGAGTGAAATTGATGTGGAGTGGCCCACTCTTGCCGCANACCTCTGGGAGCCTACCTGT
GGGAGACCCCATGATTCTCATGAACATCTGAGCTGGCAGGAAGAACTTCTGAGAGTTG
ACAGAGATGGAACCTAGCCTGCATGGAGCCCAGAGGGTTTGTGTGGGAACAGTTGCAG
TGGAGCATGGCTGTGGATATCC

Sequence 3536

CGAGGTACGCGGGGGGAGCAAGCAGGAAGTGAAGTGAAGGGCCACCCTGGGAGGAAGCCGA
CTAGGCCGAATTCACCTACTGACCGGCCTGGGCTGCTCTGAGACATGGAGGAAGCCAGAAG
GTGGCTCGAAAATTCTGGTGAAGAACGTGAAGATGATTGTCCTTATCTGCGTGATTGTT
TTTATCATCATCCTCTTCATTGTGCTCTTACCCTGGTGCCTTCTCTTAAGTAACAGGG
AACCTCTCCACCTGCCCTTCTCTCAGGGACAACCCTCCATAAATGTGTGCCAAGAGGG
TCTCTTTCCTGTCTTCTCTACAGAGAATGCTGCTCGGTCTCTACCCCTCTTCCCAG
GCCCTGCTGCCATGTTGTATGCCCCAGAAGGTACCTGCCCGGGCGGCCGCTCTAGAACTA
AGTGGATCCCCCGGGC

Sequence 3537

CCGCGGTGGCGGCCCGCGGGCAGGTACACCGGCATGATCATAGCTCACTGCAGCCTCAA
ATTCCCGGCTTCAAGTGATCCTCTCAACTCGGCATCCCAAAGTGCTGGAATTACAGGTGT
GAGTCATCATGCCTGGTGGGTGTCTATTTATAAAAAGCACTAACTTAAAGATTTAAAGG
TGAGAGCCTGTATTAGGCCATTCTCATGGTGCTATAAAGAAGTGGCCAAAGACTGAGTAAT
TTATAAAGGAAAGAGGTTAATTGACTCACAATTCCACATGGCTGGGGAAGCCTCAGGAA
ACTTTCAATCATGGTGAAGGGGAAGCAAACATGTCCTTCTGCACAAGGTGGGCAGAAGA
GAGAAGTACCT

Sequence 3538

AGGTACGCGGGGTCAATTATTACCCTCACTGTCAACCCAAACACAGGCATGCTCATAAGGAA
AGGTTAAAAAAGTAAAGGAACTCGGCAAATCTTACCCCGCCTGTTTACCAAAAACAT
CACCTCTAGCATACCAGTATTAGAGGCACCCGCCTGCCAGTGACACATGTTTAACGGCC
GAGGTACACGTCTCTGTCTGGGCCTCGGCCAGGGTGCCGAGGGC

Sequence 3539

AGGGCGAATGGACTCCACGCGGTGGCGGCCGCGGCTGANCTCATCCCGGACGCTCCTGGC
TGTGCTGGGTCCGNTACGGCAAGCTNCATGGGGACCACAACAACAGCCCCCGGTACCT

Sequence 3540

CGAGGTACTTTTTTTTTTTTTTTTTTTTAAAGAATCGATCTCTTTTAATTTTTAAGC
CAATTTTGAGTANTCAAAGTCANAGCAGTCAATCTGTGTTGTGAGCCGAGGCANAACTNN
TGAAGCGTGNCTCGAGTGTCNNGGTCGANGTGGCACCTAACCTATGGCACTAATCACTG
GCTGGGGNACTGCCCCCGCTNGGATGCACGCAAGAACCTCGCGAACTGTATNANAATTNN
ACTNANTTTGTGNNCGGCTNCAANTGNTTTANNNAANGCCCCGANTGCCNCANGTA
NTGNANAAATGANCATGGAGCCTNANNTGNACCCCGAGGNGCCCGTGCCCCAAAAAACC
ACGATTCTCNGNTACNNGGCGNGCNAANGNANN

Sequence 3541

CGAGGTACACTTGGAGGAAGGCCAAGCAGGCGACTTGAAAGATAAGTGCCCCATTGACCT
TTTACTTAGAGTTTTATATGTTGGCTTACTTCTGGGTTCTACAACCTTCTCTGATTCT
TCCTTGTTGGTTGGTTGTCCATGTGTGTCAGTGGCCTGCTAGTCCTTGGGAGGTGAGCAT
GTGCAGTGTGTTTACTGGAGTTGTACCTGCCCCG

Sequence 3542

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGGACACAATGCCCCCAG
AAAAGTAACAGCCGTCATTTATGCTAGAAAAGGAAGTGTCTCCAGAGCATAGAGAAAAT
AAGTTCCTCTGTTGATGCAACAACGTGTTACTTCACAACANTGTGTTTTAGAGACCAAGA
ACCAAAGATCCATAATGAGATGGCATCAACATCAGATAAAGGTGCCCAAGGAAGAAATGA

Table 2

CAAGAAAGATTCTCAAGGAAGAAGTAATAAGGCATTACATCTGAAGAGTGATGCTGAATT
TAAAAAGATATTTGGCCTTACTAAGGATTTGAGAGTGTGCCTTACTCGAATTCCTGACCA
TTTGACCTCTGGAGAAGGTTTCGATTCTTTAGCAGTTTGGTAAGGAGTGGTACCTGCC
G

Sequence 3543

CCGCGGTGGCGGCCGACGTACAGTGGTGTCTGCCTGTAGTCCCAGCTGGTTGGGAGGCTG
AGGCGGGAGGACCCNTTGAGTCTAGGAGTTAGAGAACAGCTTGGGCAACAAAGCGAGACT
GTCTTTAAAAAAATAC
CACACACACACAAAGACTGAAATGGAAATGAGCCGAGATCGCGCCACTGCACTCCAGCCT
GGGCGACAGAGTGAGACTCTGTCCCAAAAAAAAAAANATTAATTANAATGTNCCTGCC
CGGGCGGCCGAGGTACCTTTTCATAGAACTTGGCTTCTATGTGAGCACATCTTTACCTGA
AGTTGTTTNAATGCATTAAATTNCTTCTTTTACTGCTTTAGGTAAAGTTTCNATGTANC
TNGAAGGGGNTGTGAGGGANAATTTGTCNAAGNCCCNTCCTGTAAAAGNTGNCAANAAC
CGTGGATTCTGTCATNNCCTGATCTGNGAGCTTTTNTGNGTTANTTNCATTTTTAANNAG
CTTNCCAAGGGAATTTTGAANGGAACCCATTCTGAAAACTGTNANTCTGGCNTTNTGA
AATGGTTTTTATTCTCTNANGGCCNTCNTNGGGGTANNTGGNCGGGNGACCCCTANCTTT
CNTCTNNGTTTTGGGGGGCTGGNGCCNCCCGNGTCCNTTGGCNCGTGGCNGGNTNTTNT
TAAACTAGGGGGANCNCCCGGGCTTGGNGNGNATTTNTATATACCAGCCTTATNNTNAA
CCNCTGCCTTTAGGGGGGGG

Sequence 3544

CCGCGGTGGCGGCCGAGGTACAGGCTGTGATACATGTGGCGATCGATCTTCTTAGATT
ACGGTATCTTCTGAGCAGCCGGCGCAAAATCCTCATTCTCCTCATCCATGTGACCTTCTC
TGGCATTGGGCATTGGCTGTACCTAGCGATAGTCGCTGGTTCAAACAGTGAAAAAATA
TGTTGGCTTTGACAGTTGGGACAAATACCAGATGGGAGATCAAAATGTGTATCCTGGACC
CATTGATACTCTGGACTTCTCAAAGATGGTGATGCCAGTCACTTAAGGAACACCTTAT
TGATGAATTGGATTACATACTGTTGCCAACTGAAGGTTGGAATAAACTTGTGAGCTGGTA
CACATTGATGGAAGGTCAAGAGCCAATAGCACGAAAGGTGGTTGAACAGGGTATGTTTGT
AAAGCACTGCAAAGTAGAAGTATATCTCACAGAATTGAAGCTATGTGAAATGGAACAT
GAATAATGTTGTAACCTCGAAGATTT

Sequence 3545

CGCCCGGGCAGGTACGCGGGGTAACTTTTAACTTTATAAACTTAGTATTTAACTTTTT
AAACTTTTTTTGTTGAAAACTAAGACACAAAAACACATGTTAGCCTAGATCCACACAGGGT
CAGGGTCATCAGTATCACTGTCTTCCACCTCCACATTTTGTCTCTGGAAGGTCTTCAGGG
GCAATAACACACATGGAGCTGTCTCGCCTGTGGTAACAACGCAGAGTACCT

Sequence 3546

CGAGGTACCCCTGCTTGCTCAATAGATCACGACCCTCTCACGTGGACCCCTTAGAGTT
GTAAGCCCTTAAAGGGACAGGAATTACTCCCTTGGGGAGCTCGGATTTTGGAGACGTGA
GCCCGCCAATGCTCCCAGCTAAATAAAGCCCTCTCCTTCTACAACCTTGGTGTCTGAGGGG
TTCTTGCTGCGGCTCATCCTGCTACAGACCCATATTAAGAAACATCATAATCAAACCAT
CAAAGCTAAAGACAGGAGAATACTGAATGCCCCAAAGAAGTAACTCATGATTTTGAGAAA
TCTTCAATAAGATTAACAGCTGATTTCTAATCAGAAACGATGAAGGCCAGCAGGTAATAG
CCTATGTAATCAAAAGTGGTGAAAAAATTCTACCAAGAATTAATATATGCGGAAAAAAC
TATCCTTCAAAATGAAGGATAAATCAAGATATTCTCAAGTAAAAATAAAAGTGAGAGAGT
TCACTGCTAGCACACCTGCCCTACAACAAATGCCAAAGGGAGTCCCTTAGGGGATGAAATA
AAATAACACTGGACAGGAACCTCAACTNCCCTATGGAAAAATAAATGCCAAGAAAAGGTAT
AAACCATAGGTAAGTGGNAAAGACACTTATAAGGCATTTTGGCTTGNAATTCCTTTCT
TTTTAA

Sequence 3547

CCGCGGTGGCGGCCGAGGTACGCGGGGGGCGCCATTTTGTCTCGGCAGCGGTGGCCCGTA

Table 2

GCTCCATCGCATTTTATGTTTCTGGCGAGAAGGGAACGGAGTTTTCATCAGGTAGATTGG
TTTTTG

Sequence 3548

CGCCCGGGCAGGTACACATAGGTATAAACAAACATAAACTGACTTGGAAGCGATTCTCA
GCAGTGCCCCATTGATCTGCCCTGCCAAGTGAAGTGGCTGCCAGTGACAGGGCTTACCTTTA
TGTCCCTTGAATGGAGCCAGCCATTGCTGCAGGTGCAAACACTTGTGATCAGCAC
AGTGCTGCGCTGGCTTTACATGCAATACATGTTCCAAGTGTTCAGGATTCCATAGCTGC
TTCATTGTGCTTGTGGTCAGCCTGCATATGCCCATGACACAAGTAGTGAACTAAGCA
AGAAAGATTGGCTCAGGAAAAACAGTGGGACGGGACATTCTTATGCAGCCATGGGAGG
ATTAAGTGGTTTCAAGCTCGCTGGCGGAAGGCTACATGCGGTTAGATGACAGTGGGATTG
GTGTACCT

Sequence 3549

GGGCGGAGAGGGGCTGACCGGGTTGGTTTTGATCTGATAAATGCACGCATCCCCCGG
GAAGGGGGTCAGCCGCCGTCGGCATGTATTAGCTCTAGAATTACCACAGTTATCCAAGT
AGGAGCCCGCTACCTGCCCC

Sequence 3550

CCGCGGTGGCGGCCGCCCGGGCAGGTACTTTACTGCACCCAGCAGACTTTCAACAACCTCA
TTGATCCAAAGATACATGCACAGTCTGAGCACCAGCTATGGTGCTCATAACTCTTTAAG
ACTTGAACCCCTTCAATCTGTGTGATTCAATAATTGGACCATGATGATAAGAATACAC
ATTGATGTTTCTGTGCACATGACAGTGTGTGTGTGTGCACGTACCT

Sequence 3551

AGGTACAGCAAAACCCACCTGTGTAAACACACACAGCAAAGTGATGTAAGAAGTTTCCAT
ATAAAGGGCTGCAGTATGGAGAGGTAATGTGCAGGCTGGTTTGGCGCTGTAGGGGCCACC
TTGCTGCAGCTCTCCACTGATATGGTACCTGCCCC

Sequence 3552

CCGGGCAGGTACGCGGGGGGAAGTGTCTAGTTAGGACCCAGACGGAACCATGGAAGCCCC
AGCGCAGCTTCTCTCCTCCTGCTACTCTGGCTCCCAGACACCACTGGAGAAATGGTGAT
GACG

Sequence 3553

AGGTACAGCNTTTCCTGGAGGATCTCTGGAGCGATATAGTNTGGCGTGCCACAGAATGTG
GCCGTGGTGACACCATGCAAAATCCCCTCCTTGACATTCCGAAGTCTGCCAGTTTACAG
TGACCTCGTGGTCCAACAGGACATTGTCCAGNTTCAATCTCTCATACTCAGCCTATAC
CCNATCCTNCANTCTAGCACCCATCTCTACCCATCAGAGNCAGAATGAACACCCATAGGG
GAGGTGGCCACTGTGTGCCCCCCCCGCTACCTGCCCC

Sequence 3554

AGGTACGCGGGGGCTGAGCTCTTGGAAGACTTGGGTCTTGGGTGCGAGGTGGGAGCCGA
CGGGGTCTCACTCCATTGCCAGGCCAGAGTGCGGGGATATTTGATAAGAACTTCAGTG
AAGGCCGGGCGCGGTGGCTCATGCCCGTAATCCAGCATTTTCGGAGGCCGAGGCTGGAG
TGCAATGGTGTGATCTCAGCTCACTGCAACCTCTGCTTCCTGGGTTAAGTGATTCTCCT
GCCTCAGCCTCCCGAGTAGCTGGGATTACAGGCATCATGGACCGATCTAAAGAACTGC
ATTTCAGGACCTGTTAAGGCTACAAGCTCCAAGTTTGGGAGGTCCAAACGTTGTTCTTG
TTGACTTTAAACAATTTTCTTGTGAGAAATNCATTACCCTTGTTAAATAAGGNGGCCCA
NGCCTCAACCGGGGTTCTTTGNGGTTCTTTNAAAAATTTCTTTNCCCAGCNGCCGTT
TCCNTTTTGCAAAGGCACCAAAAAANCCTTTGTTNTTCCAAAGTTCAANAAAAAGNCCGGG
TTTCAANAAATCCAGAAAGNCAANNAAGCCAATTTTGCCAGGGGCAAAACCCAGGNGGTA
CCTTTGCCNNGGCCGGGCCGTTTNTTANAAAAANTNAGNGGGGATNCCCCCGGGCTTG
CNAGGAAATTNCGNAAATCCAAGCCTTNTTCGAAACCCGGCCNACCCTTGAGGGGGGGG
GGCC

Sequence 3555

Table 2

AGGTACAAGTTCGGCTTTGAGCTTCCTCAGGGGTAAATATCAGCTAAATGCATCTTTGAA
CTTTTCTGTCTAAAATATCTTGCCCTCCTTTGATCACTTACTGTTCTTGGAGAGCGTTTT
AAAATTTTCATTTTCTTGACACAGGCCTCTGGGAACATCCTTCAAAGGAAAATATGGGTGT
GTAGACTACTGGGTGAAGGCTTTTCTTGACCGCCGAGCCAGCCAACTCAAGAGACAAAAG
AAAACTTTGAAGTAGTGGATCTGGTGGATGTCAATACCCCTGATTTAATGGCACCTGTG
TCTGCTAAAAAAGAAAAGAAAGTTTCTGTCATGTTTCCTGATGGGCGGGTGTCTGTC
TCTGCTCGAATTGACAGAAAAGGATTCTGTGAAGGTGATGAGATTTCCATCCATGCTGAC
TTTGAGAATACATGTTCCCGAATTGTGGTCCCCAAAGCTGCCATTGTGGCCCGCCACACT
TACCTTGCCAATGGCCAGACCAAGGTGCTGACTCAGAAAGTTGTCATCANTCAGAAGCAAT
CATATTATCTCAGGGACANTGCCGCCATCATGGCCGTGGCAAGGAGCCCTTNGGGTTTCA
GAANANTAGGCCTTCTATTCTGGGGCTGCAACCATTCCTTGGAGNNGGAATATTCNTTAC
TGGGGGGGAN

Sequence 3556

ATATAGGGCGAATGGACTCCACCGCGGTGGCGGGCCGAGTACAGGATCTTGCCATCACCTG
TTCGGTCAAACAGCTGGAAGGCCTNCTTGAAGTCTGCGGTCTGGTCTTCGGTGAAGTCAC
ACATCTTGACTGCTCAGCTCTCCGGGACCTTTTCTGTCAGTAATGGCCCCCGGTACCTG
CCCG

Sequence 3557

GNGAATTGGACTCCACCGCGGTGGCNGCCGCCCTGCCAGGTACGCNNGGGGCTGAAACCCG
CAGAGGAAGACGCTCTATGGATTTAGTCCCNGACTAGCGAGATGGNAAGGCTGNNGGACN
GGAGGCTGATTGAGAGGCGAANGTGTGNTGAAAAGTACCCCTAANAGCCAAAATGGGAAA
GGAAAAGACTCATATCAACATNGTTCGTCA

Sequence 3558

GGGCGAATTGGACTCCACCGCGGTGGCGGGCCCGCCGGGCAGGTACGCGGGTAGGGAAGCC
TGTGATGACTACAGACTTTGCGAACGCTACGCCATGGNTTATGGATACAATGCTGCCTAT
AATCGCTACTTCANGAAGCGCCNAGGGGGCCAAATGAGGCTGANGGAAGAAAAAAATCTC
TTTTNTACTGGAGGCTGNGCACCTNATTTTGTATCCCCCTGTAGCAGCATTACTGAAATA
CATANGCTTATATACAATGCTTCTTCTGTATANNTCTACTTNGNNTGGCNTGCACCCC
TTTTTTCCCGCCCCCAGTATTTGATAAGGTAATGAANAGTGCAGTGCATTTGAGGGGT
CNAAAGTGAGAAAGTCAACCATATGTGAATTGGNACCATAAAAAAACTTTTCTGGTGTNG
ATACTTTTCAAAAAAGAAANTCAAACNTTTAATGCNTTTTGTCTCTTACNTATATANN
TNTTAATTATGNATNAAGGGTCNCCCTCTGGNCCGCTTCTTANAAAACTTAAGTGGNAAT
NCCCCCGGGCCTGCANGGAATTTNCGANANTCAANGCTTTNTCNGATTCCNGTCCAACC
TNGANGGGGGGGC

Sequence 3559

CGAGGTACTGCGAGGTCACCTTCATGGATTAGCATCCTGCTGTGAGCTGAAAGACTGAAC
AAGCAGAAGCATAAGCCAAACCCATCCCTCCACGCTCCCCACTGTGCAGATGGACTTACT
GAGGCTCCAGCATACACTGCTTGCTCAGCACTTTATCTATTTTCAGGCCAAAGTGTGAGCA
GAACTGATACCCACAGGGCATCCAAGTCCACATCCAGACCCAGTTCCCTCTGCGGCCCTC
TCTTAAACCGAGCCGCTGACTGCTGATGGTGAGTTCCCAATCATGGGCTTGCACTGAGGG
GTGCCAGAGGCCTGGGTGGGCATGAAGCCTGGTGGGTATGGAGTGAAGGGGATTTGGGAG
TGGCATCTANAAGGTCAGCATGAGGGGCANAGAGGAGAAAAAAGAACCCATNGCTTGCAC
CCACAAGGGGAAACNGGCCAATGCACAGACCGGGGCCCTAGTTAAAGCCCAATTCANG
CCAACTTGCCCTTCAGTGTAATAATCTTGAGTNGGAACAAGGACAAGACTTGATAAATTG
AAGAAAATTGAAAAANAAGCTTAATTGGGCCAGGGGGCCCCACTTGGCTTNTTGNCTTGCA
AGGGNNGGCCACCCCTTGGTTGTGCAAACCGNAATANCAAAGTTCCTTGNCCNNGGGCCGG
CCGGTTTTTAAAAATAAGTGGGATCCCCCGGGCTTGACAGGGAATTNNAATTTAAACNTNA
TTGNATNCCCGTCGACCTTNANGGGGGGGGC

Sequence 3560

Table 2

CCGCGGTGGCGGCCCGAGGTACAGTAAAAGCAAGACTGGGCTTAAGCAGGTCTGGACGGC
ACAAGTAAACTGCAGGGATTAACAGCCCAGACTCCCCTACTGCTTGTTCCCTCTTCTTGT
AAGTTTTCTAGACCCACATTTAAGGCCTCATAGGGAGGATCCTAAGGCCAGTTAGCAGGA
CAGGAAAAAGGCACGCTTGTATGGATGGACATGCGCAGTGTGCTGGCACCAGGCCAGAA
GTGAGAAAAGGCAGCCCCACTCAGGGATGGCCTGAAAGAGAGGGGTGAAGGGAAATCTTC
CCAGTGGGCAGAACTCTGAGCAGTACCTGCCCCG

Sequence 3561

AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTGAGCTCCACCTTT
TCAGTGAACCTTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTT
GATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGT
GTGCCACTCTCACAATAGCAGGAAGAGTGGTGAGACACTAGCTCTCAACCGGAACATC
CAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAG
TGAGACAGATCAACCATT

Sequence 3562

AGAAGGTCCCGGCAGCAGCAGGAAAGAAGACGGACCCCGCGATGAGGGCGGCGGCAAGGA
GCACCTTCATTGTTTGCCGTTCCGAGAGGGCGCAGCATCCCCGCGTACCT

Sequence 3563

CCGGGCAGGTACATCAGGGGTGAAGGGAGGGTTTTCTAGATTATTGGGGGAGGGTAAAA
TGGGATTTTTTTGTTGTTCTTTTTGATGGGGTGTGGGGGTATAGTACCTCACTCCCAC
GCCCCCGGGTGGACAGCCCCCGCGTACCTCNGCCGCTCTANAA

Sequence 3564

GGAGCTCCCCGCGGTGGCGGCCCGCGGGCAGGTACCATAGAACAAGGCTTCCTCCAACA
GGCCCGAGAGTTAGTGCANGCATCCATGGCGCAGTCGAACAC

Sequence 3565

GGAGCTCCCCGCGGTGGCGGCCGAGGACGCGGGGAAGCGGAGCAGGTGCTGCAGAAGTTT
GTTCAAAACAAGTGGCTGATTGAGGAAGGGGAGTTCACNCTGCGCGGC

Sequence 3566

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCAGAGGAGGAGATGGACGATC
AGAGCCATGCACCTGTTTCTGCACCCCCTGCGCACTGGTTCTATGNNCACAAGGAGTCT
TACCCAGTAAAAGAGTTTGAGGTGTATCCTGAGCTGATGGAAAAATCCTATGTGCCGTTT
CCTTGTTGGGTTGGACCTTTACGATGTTCTTCAATATCCATGACCCAGACTATGTCAAGA
TTCNCCTGAAAAGACAAGATCCCAAAAGTGCTGTTAGGCACAAAATCCTNGAATCCTGGG
TTGGTCGAGGACTTGTGACCCTGGATGGTTCTAAATGAAAAAGCACCCGNCAGATTGTG
AAACCTGGCTTCAACATCAGCATTCTGAAAAATTCATCACCATGATGTCTAAGAGTGT
TCGGATGATGCTTGAACAAATGGGAGGAACACATTGCCCAAACTCACGTCTGGAGCTCT
TTCA

Sequence 3567

GGGCGAATNGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGCGGCGCACTTCCGTA
GAGGTGGACATGGCGTACGAGCTTTCGCCGCGNNGTTGCTTGCCAGGTNTCCAAGAGTGT
TGAATCTTCCACCAGAAAACNGATCACAT

Sequence 3568

GCGTAGCGGGGGGGGATAGTTANGTTTGGCATAATTCTCCCTCTGAGTNTCTTGAAGAA
CTTAGGGTATCTTGGCTATACTAGTGGATTATCCTTGAGCTGTATGGCTCTTCTTAATT
GNGGNTATTTACAAGAAAT

Sequence 3569

TGGGGAAGAGAGGGGAGNAAGAGTAAAGAGGACTTTGTCTTGCAATTGAAGTCCTCTTGAT
GAGTGGGGATTCTAGCTCCCAGAAACCATTTTTAGAAACACCCTGGGCNAGAAGGGAAC
CTGCTGCCATGAAGGAAAGGACCCAAGTANTTGCAGGAATACGTACCTGCTGACTAAAGA
TCCCTTGAGCCTTNGATAACCAGNAGCAATATCCAAGTAAGTATACCATGGGCCTTGGGT

Table 2

NAGACTCTTGAAACTTNTAGGCTCCAGGTTNAGACCCANCATATTGCCACCTGTGNGTGG
GCTATTGTGAGGAGACTTNTCTGCTTGAGAAAACTGAANGAAAAA

Sequence 3570

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACTTTTTTTTTTTTTTTT
AAATTCTCATGACTTTATTTTGATTGGGTGTTCTGACGGAGTGGGTGGAAGGTATGG
ATGTTTGATCGAGACCTTTTTATCTTCCGGAGACACGATGCTACCGTGCATAACACAA
AACAGCACCGATAAAATGNANNAATANGAAAGAGTGCCAGNGGAATCAAGACTTTAAGGC
ANCATCCCACTGGGGAAANCAGCTCTTCAAACACNGTCTTCAAGCGCGAGTGGCAAAT
CCTTGCGGGGGAGGGCTGANGCGCACTTTGCTACTNGANCTTGCCACTGACTCTCCCCNG
GACTNCAGTNANCTCACTTTTCAGNTCCATAAGCCCCCNCAGCGGGNNCCNNNNACCTG
CCNGGGCGGGCANNCTCNAAAACTAGNGGATCCCCGGGGCTCCAAGAAATTCAAATATC
AANCTTAATCGAATCCGTCTGACCTCGANGGGG

Sequence 3571

TACGACTCACTATAGGGGCGAATTGGAGCTCCACCCGCGGTGGCGGCCGCCACCGACAG
CGCCACATGCCGGCTCTGGAGGCCGCACTGGATATCCTGGGCGCGCTGCCTGGCGGCAC
CTGAACCTCAATGAACACCTCCTCCAAGGTCTGGTACCT

Sequence 3572

CGGGCAGGTACTGATCTGGTTCCTCACTCAGAGATCTCTCGTAAGATGCAATCTATCAGGC
AATGTCTACCACACACACATGCGCGAGTGCGCGCGCACACACGCACACACACGCAGAG
GAAGACAGACAAAACCTCAGACAGATTACATCAGCAAAAGTNAGGACTAGAAAAACCAG
AGGAAACACANGATACTTCTCATTTNTAACACCAACTCTNCCAAGGTACATTACAGAGTN
ANCCAANCNAGAGACCACTGGCTCCTGTGGTTATTGGGTAAACAGCAGCATGATGCTC
CCTCTCAACTCTAACCAACAGAATTAACCAATGACCCC

Sequence 3573

ATACGACTCACTATAGGGGCGAATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGGGCAG
GTACGCGGGCTTCCACCATGTGAGGACACAGCAAGAAGGGGCTGACTCTGAACCAGGAAG
CTGTGCTGTGCTCACCAGACACTTTGATCTTGGACTTCTCAGCCTCCAGAACTATGGGGT
TCTGCTCTTGTACCCAGACTGGAGTGAAGTGGCACAATCTCGGCTCACTGCAACCTCCG
CCTCCCGGGTTCAAGCGATTCCCCTGCCTCAGCCTCCAGAGTAGCTGGACTGCAGGCGCA
CGCCACCACTCCTGGCTAATTTTTGATTTTTAGTAGAGACGGGGTTTACCATGTTGGC
CAAGATGTTCTTGATCTTCTCACCTTGATCCCGCCACCTCAACCTCCCAAAGTGCTTG
AGAGACTAAGACACCTTTCTAGACAGAGAGGAAGCCCGATGGCAAACATTTCTCAGATAG
GTTTGTAGCTATTGACCTGGCTGCATCAAAAGGAGATGAAATCCCTTANAAAATTGACAG
CTTTTATTGAAATTTACCAATCAAGAAAGGCATAAGAACCACTGGCTGCAGNTTNNAGAA
CTATGCCAGAAAATAAAATGNTCACNAGCTTGGAAGAAAAAATTNTTAGTGAGCCAACAG
AGCCNGTGGAATAATTTCCAGTNGAAGCNGGCCCTTAAACANGGGAAATNGGCGCTT
TTAAACTAAGTGGAANCCCCCGGCTGCAGGAATTCNNAATTNAACCTATCGATCCCGCAA
CTTTAAGGGGGGGCCC

Sequence 3574

CGCCCGGGCAGGTACCTAACCAGAATAGATGAGGCAGCAAGAGAATGGCGCTCGGTGTGT
GGGGTAAGGGGAGTCAGGAGGAGGACGGGCTGCTCGTGAGACAGGGTAGGATGGACTGTG
CCTGGCTTCTCTCAAGCCCCCAGGCTGCTACCTTGGTTCTAGCCACCTTCTCTCCAC
CCTCCTTCTCATGCAGGCTGCCAAAAATTGCACTTTGGGTCTGAGATTAGGAGCGCCTGG
CCATGTCTGAACCCCGCTCCTATCTTAGTGGCCGCAGGTGGCTCCCAGGAAAGCATGAAT
CCTGAGGTTTTACTGGTAAGCTGGGAGGGATTAAGTGGGATCCAGTCATGTGCTCCACCC
AGTACCT

Sequence 3575

ACTTTTCTTTCTGTNGGAAACAAAAGAGTTGTCTTAATTTTTAATCTGAATTCTGATTAT
ACAAGTAAATTCATCACAGTTATTCAGACCATTAAATAGGATCATAAACACATTGAGCA

Table 2

TTNTGCTNTTGCCCAAGNGTCAGGGACCATGCTAGAGCCCCACAATGTCACCCTCCAAG
TCTNATAGCAAATGCAGATGAGACTTTTGCATTGATTATGAAGCCTTCTATGACATCTG
CTTNANAACCCCTAAAGCTGCCCATGCCACCTAGAGNGACCTAAACCTCCTAGTATCTGC.
CACCATAAATGGGTTGCGCCACCTGCCTGCGAT

Sequence 3576

AGGTACNCGGGGGGCGCCATTTTGTCTCGGCAGCGGTGGCCGTAGCTCCATCGCATTTTA
TGTTTCTGGCGAGAAGGGAACGGAGTTTTTCATCAGGTAGATTGGTTTTTGT

Sequence 3577

.CCGCGGTGGCGGCGCCGCCGGGCAGGTACCTTCCCCGAGATGGTGGATAAACTTATCTTGC
TGGACACGCCGCTCTTTCTCCTGGAATCAGATGAAATGGAGAACTTGCTGACCTACAAGC
GGAGAGCCATAGAGCACGTGCTGCAGGTAGAGGCCCTCCAGGAGCCCTCGCACGTGTTC
GCCTGAAGCAGCTGCTGCAGAGGTTACTGAAGAGCAATAGCCACTTGAGTGAGGAGTGCG
GGGAGCTTCTCCTGCAAAGAGGAACACGAAGGTGGCCACAGGTCTGGTTCTGAACAGAG
ACCAGAGGCTCGCCTGGGCAGAGAACAGCATTGACTTCATCAGCAGGGAGCTGTGTGCGC
ATTCCATCAGGAAGCTGCAGGCCCATGTCTGTTGATCAAAGCAGTCCACGGATATTTG
ATTCAGAC

Sequence 3578

AGGTACATAAATCCATTGGCCTGAGAACCACACCCTTATCCCCCAAAGCAGCTGCAACAA
GCACTGCCCAAAGAGAGTCTGGGCTTACATATGCCTAACCTGCCCCCTACCTGATGGTCT
TTCTTTACCAACCCCTGGTAGCCAAAGGCAAGAACATATTCTCCTGGGAGCTCTAGGACC
TCACCCATAGCCTGATTATCCCTATGCTACCACAGCTGATGCTCTTTTGAAGCACATA
TCCTGGAAGGATGCCAACCAGCACAAAAGTGTGCAATAAACAACAACTACAACTAAGGAC
CCTCAGAGAGTCAATTTCACTCCCCTACCACCTCCATCAAGAACAGGTGCTGCTATTCGT
GGCTGAGAAACCTGAAGACAGTTCACATCACAGGATACTGTGTAGACACCCCCTAGTACG
CTCTAGAACTA

Sequence 3579

TTTTTTTTTTTTTTTTTTTTTATTTTAACAGTCTAATGATACCTTTTGCTCCACCTTCAA
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CAAATAAAGTCTCGTCTCAAAGACATCATTTTGTAACAAACACAGAACTCTTCAAATGT
CAAAGTCCCTGATTCTCATCTGTGTGCGGCTTCCCTGAAACATTTGTCTGACTTTTCTTCG
GGGCAGATTAACATTAGTTTATGCATCAGCTGATGTATCTCTTCAATATTCAGCAAGCC
GTCACCATTTCTATCAGCTTCCCTCAAAGGTCTGCTTCAACCATTTGGTCATGGGTCTCTG
CCTTTTGGCAAGGGAGTCTTCATCACTGATGCCAGCCATCAGGTACCTGCCCCGGCGGCC
GCTCTAGAACTA

Sequence 3580

CCGCGGTGGCGGCCGAGGTACAAGGCAAATACTGCTTTATTTTTCTTCAGCTTTCTCAA
GCAGAAGAAGTCTCTCACTATAGCCACCACAGCTGGCAATATGCTGGGTCTCACCTGGAG
CCAGAAAGTCTCAGAGTCTCACCACAGGCCCATGGTATACTACTTGGATATTGCTGCTGG
TTATTCAAGGCCCAAGGGATCTTAGTCAGCAGGTGACGTATTCCGCAAGGACTGGGTCC
TTTCCTTCATGGCAGCAGGTTCCTTCTGGCCAGGGTGTTTCTAAAAATGTTTCTGGG
AGCTAGGAATCCCCACTCATCAAAGAGGACTTCAATGCAAGACAAAGTCCTCTTACTCT
TCTCCCTCCTCTCCCCAAGAGGAAGGAAGGGTCTCTTTGGAGTCAGGAGCTGCATTCCC
TGGGGTTGGGAAGGGGTAAGTACCTGCCCCGGCGGCCGCTCTAGAACTA

Sequence 3581

AGGTACACGATGGCTTCCAGGAACAGGCTCACCAATGAATGAAGGAGAATGAATACAATG
ATCATGATGAAAAAAGATTTAAATTTCTTGTTGATTGGCATAAAATGTTGAAACCAACA
AAGACAACATAAACTCAGAACAGGTCCCTGTGATGAGAGCATCAAAGCCTCGCGTGGTC
ACCAGTGTGGCCCATCCAAGAAGCATGTAAGGTGAGGTCCCACATGAGAAAACTTGACAC
AGCCATGCCCTGAATCTTCTGCTACCATATCAAAGAAATTTGATTGAAGTTTGTTC

Table 2

TCTATAGAATATGGCATTGCAAAATCCTTGTTGTACCTGCCCCG

Sequence 3582

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CTTGGAAGCCCACCCCTTCTTCTACTCCTGGAGCTGTCTGCCCCAAGGGCTCAGGAATTA
NCCTTGCTCCACAGCAAACAGCCCANAGGCCCCACCTGGGCAAAAGCAAACAAAACANAT
ACGTTCTTTCCGGCAGGTGCAGATGCTCTGCCCAGGCCTGCGGAAGCCAGCTCCGGTCT
GTGTGTAAATCCTCCCCAGGACTTCCGGCCCCACCAGCTCCACCCGCGTACCTNGGCCGCC
CGGGCAGGTACTTTGCTTATTTGNGAAANAAAAGGAATTTGAATCCAGGTCTGGGCACCA
TCAAAGCCTGAGGGCTTCCCCGTGTTGCTGNGTAAATCAGCTAACTACCAACCTGGGAG
GTTGGTGCTATGCTGTTTCCATTTTATTATGGAGAAGGCAAGAAGGTAAGTGGCTTGCCT
GGGATCGCATAGCCAGTAGTTTGATACAGTCAGGACTAAAAAA

Sequence 3583

CCGCGGTGGCGGCCCGAGGTACATTACCCCTTAGGCTGACCATTCCCTTGCGGGGGCGCAA
AACTGCTTTGAGGAAATGTCCCAGGAGGAATAAACTAGAGGACGCACCTGCTATNTCAC
CATNCTATGGANAATCAGCTAATGAAGTGGTGGCAGAAGCTTGGCCCGTGTGAGTGCCCC
AGGGTAAAAGTCTCTCTGTCCAGTCCAGAGEAGAGACTTCTCCCCCGTGGACAGCAN
CCTGCCACCAAGACTCA

Sequence 3584

CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCTTCCAGCTCAATACTTCCATTTATTAGGA
AGCACATTAACCATTTCTATAGCATGATTTCTTCAAGTAAAAGGCAAAAGATATAAAATT
TATAATTGACTTGAGTACCT

Sequence 3585

CGACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAAGA
GTCTTTTGCTTCTCCACCCCTAGGGGGAAAACTGCTTTGTGCTTTGGGAAGNNNGGG
CTCTGAAACCCGGGGACANAAAACTNTTTTTTTTNNTATNGNGGGAGCCGGGAGGATGG
GCTGCAGCCTGTGG

Sequence 3586

CCGCGGTGGCGGCCGCCCGGGCAGGTACATTTTCTTTTTTTTTTTTTTTGTGGATGGG
GACTTGTGAATTTTCTAAAGGTGCTATTTAACATGGGAGGAGCGTGTGCGGCTCCAG
CCCATCCCGCTGCTCACTTTCCACCCTCTCTCCACCTGCCTCTGGCTTCTCAGGCCTTT
GNTTTTCCNANCNNTTCTTTTNGAAACCCNATCCTCCACAAGCTGCAGNCCNNTCTCC
CGGCTCCCTCCTAGTCTGTCTGCTGCTCTGTCCCCGGGTTTTNANAGAACAACCTCCC
AAAGCACAAAGCAGTATTTTCCCCCTAGGGGTGGGAGGAAGCAAAAGACTNTNTACCTCG
GCCGCTCTAGAACTAGATGGGATCCCNCGGGCTGCAGGAAATTCNGATATCAAGCT

Sequence 3587

ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTTTT
TTTTTTGNTTTTTTTTTTTTTTTTTTTTTAGNATCGANCTNTNNTAATNGGANGGNC
NATTTTNGGGAGGAAAAAANANATTTTTNTTTNTGTTGNGAGCCGAGGCACGGNTGC
ANAAGCGTGTCTGAGGTGTCCGGGGGNGGGGNGGNNNNACCCNNNNCNCTGGGACTATAT
CACCCGTGCCTGGGNGACCNGCACCCGCGTCAGGATGCAGGCAGANCCCTGCAAAAAGTG
TCTAAAATTCACACTCCTTATGGAGGGACCTCGATCGGTTTTAGGATAGAAGCNCC

Sequence 3588

TCACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCACA
TGCCGTGAATCCCAGCTACTTGGAAGCTGAGGCAGGAGAATCTCTTGAACCTGGAAGGCG
GAGGTTGCAGTGAACCAAAATCACGCCACAGCACTCCAGCCTGGGAGACAGAGCAAGGCT
TAGTTTTAAAAAANCAATNTTTGNGGCGATTNTGTTTTATANGGAAAATATTCAGA
ATTGGTAAGTCCATAAGGACAAAAACCAGATTGACAGGGGCTGAGATGAAAAAGAGAATG
GGGTATGGGGAGTGACAGCTTGATAGGTATTGGGTTTTGTTGGGGGAGATNATGAAAA

Sequence 3589

Table 2

ACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGTGTCGTCAGATGTCANGGC
TGCTCAGCTCCATGTAGGCTGTGTCTGTAGATGTGTCTCGGTCATGACTCTGCCCT
GGAACCTTCTGTGCGTAGATTGTTTCACTATCTTTAGGATCAAAACCTCCCATCCACTCAA
GCCCTTTTCCAGGAGCCTGTGCGACCCAAGGGCATGGATAATTTCAAGTGAGGGGTGTAT
CCCGGAAACCTTGAGGAGACCTTCACTGAGGCCCCAGGCTTCTTCACCTCAGCCCCAGA
CTGTACCT

Sequence 3590

TCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGG
GAGTGCCGTAATGGCGTTCTTGCGGTGCGGACCCTACCTGACCCATCAGCAAAAGGTGTN
GNGGCTTTATAAGCGGGCGCTANACCACNTTNGTCNTGGTGCGTCCAGAGAGACAAATA
CCGATACTTTGCTTGTTTGATGANAAGCCCCCGGTTTGAAANAACANTAAGAATTGAAA
AGGGATATTGGGCGAAGGCCCGCCCCAGCTTGCTTGAAAGGAAGGCCCGAGGGAAGAAAT
TCTGGTACCTCGGC

Sequence 3591

CCGCGGTGGCGGCCGAGGTACGCGGGCAACTGTGTTGAAATCAAACCTGCCGCAACAGAA
ATTGTTTTTATTTTATGTAAATAAGGGATCAATTTCAAACCTGCTTATGATATGAAAN
TATTAAACCTAGTCTATTGTAGTTTTATTCAGACTGGTTTCTGTTTTTGGTTATTTAA
AANGGGTTTTCCCTNTTTTTNGGCTTATTAANAANANACTAAAAATCAATAAAAAATNAANGT
ACCTGCCCCG

Sequence 3592

CCGNGCTGGTACNCGGGGACATTNAGAGGTGAGCCCAGAGCGGGTCAAGCGGACTGGNGA
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AGCCTCACAGCAACTAANACCAACCCAGCTCTCANAAGAAGGAATGTCAAAATGTCATGT
TCAATTTTACATTTCAGTGCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAAG
GAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTACATAAGAAGCATGAC
CACAGACTCAAGACGGACATAATTGGATTTTTTTGCCATGGCCTGGAAAGAAAGGTACC
TCAGGCCGCTCTAGAACTAG

Sequence 3593

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTGAGACGGAGTCTCGCTCTGTCACCCAGGCT
GGAGTGCAGTGGCGGGATCTCGGCTCACTGCGAGCTCTGCCTCCCGGGTTCACGCCATTCT
TCCTGCCTCAGCCTCCCAAGCAGCTGGGACCACAGGCGTCCGCCACTACGCCCCGGCTAAT
TTTTTGATTTTTAGTAGAGACGGGGTTTACCCTTTTAGCCGGGATGGTCTCGATCTCC
TGACCTCGTGATCCGCCCGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCAC
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CAGTGTGTNTGCATGGTTTTATTTACAAGATTTTTGAAAAGACAAAAATAAAGTCCTG
ACAAACGGATCAATGAATGCTAGGGGTTTGAAGGCGGGGCAGGGGCGTNTCTNTTAAGA
GACAGCNCGAGGGAAGATTTTGGGGATGGGTTGAACCTGGTCTGGATCTTGGATTGGGGG
GGATGATACCNGGAATCTTTTACCATGNNGTTTNAAAATGNTTTNGGAAGGTGGTNTACC
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A

Sequence 3594

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AGAAAGTATATGTGGGTTAACTGCAGACAGTCAATACTCATCATTTCTCAGATTTTGTAT
TTACAACCTCACCTACTCACTAAAATGATTTGTAGCCCTAAAATCAATGCTCAGGGCAC
TTTTGCAGGCATTCCCAGATGTGCAGAGCAGTGAATAATGCCTGTCACCAATGTGCATGT
TCCTGGCAAGGTCAAACAAGGTGACTCTGCTCTCTTGTTCAGCTCTAATGCCGTAAATA
CTCATCCTTTTTGAGGTCTACTGCATGCCATGTTTTTTTTGCATTTTTGTGCATTTTGT
GGTGAGTCTACTGTTGAGATGGCCCAAGCATAGAGCCCCAGTGCTGTCTATGTTCCCTA

Table 2

AGTGCAAGAAAACATGACGTGGCTTATGGAGAAAATATGTGTGTTAAAGAAGCATNCTT
CAGGCCTGAGTTACAGTGCTATTGGCCATGAGTTCAATGTTAGGG

Sequence 3595

CCGGGCAGGTAAGTGGCCACGACTGCATGCCCCGCGCCCGCCAGGTGATACCTCCGCCGGTG
ACCCAGGGGCTCTGCGACACAAGGAGTCTGCATGTCTAAGTGCTAGACATGCTCAGCTTT
GTGGATACGCGGACTTTGTTGCTGCTTGCACTAACCTTATGCCTAGCAGCATGCCAATGT
AAGTGCCCTCAGCTTGTGTTGGGGGAGACTGGGTATAGAGGTTAGATGGGAGGGCACCCCTG
CCCTGAAAAGGAAAACCTGTAACCTGAATTCCAGGTACCT

Sequence 3596

CCGGGCAGGTACAGCCAACATATTTCTCTTTTTGGCCAAACCCTGACCACATGCCACACG
CAGATTCAGTGTGCCATCAGCAAGATTGACATTGAAAAAGATATCCAGGCTGTAATGGAA
GAACTGCAATTTTATCTACAGAAAACAAATCTGAGTTCCTGTTAACGGATTACTTTGAA
GAAGATCCTAACAGTGCAATGGATAAAGAGAGACGAAAGTCTTTACTAAAACCAAAATTA
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CCTGGCCGGAAGCAGCTGGAAAAAGACTCAGAAATCTTCACAGTGAATGGGATTCTGGGAG
AGTCAGTCACCTTCCCTGTTAATATCCAAGAACCACGGCAAGTTAAATCATTGCTTGA
CTTTTAAAAACATCTGTTGGCTTATGTAACAGTAGGAGACTTAAAAACAAGGNANNNGT
AAGTTACTGCCNCCCCCCCCCNCCTATTNTGAAAGGGATANATGGCTTTANGTCCGAAC
TACAAATT

Sequence 3597

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CCACTGCACTCCANCTTGGCGACAGACTAAGACNCTGTCTCAAAAAACAAAAACGACA
AAAAAAACAAAAACAGAAAAATAAACTAAGGCAATGACAGTCCCTGGCAAATGCTGGGA
GGGAGGCAGCAGTGCTCAGGGAAGGTAACCCTGAAGCAGGACTTGTAAGTAAATAAGAT
TGGGAGGCCAAGGTGGGTGGATCACCGAGGTGAGGAGTTCGAGACCAGCCTGGCCAACAT
AAGTGAACCCCGTCTTTACTAAAAATACAAAAAATTAGCCAGGTGTGGTGGTGGGTGC
CTGTAGTCCCANGCTACTTGGGGAGGCTGAGGCNNGAGANTCTCGNACCCAGGAGGCGGA
NGTTACAGTCAGCTGAGACCGCACCATTGCACTTCCAGCCTGGGTGACAAGAACAAGATT
CCGTCCAATTTANNNTAAANANTTCANGTCCTCGGCCCGCTCTANANCTAAGTGGGAT
CCCC

Sequence 3598

CGCGGTGGCGGCCCGAGGTACCGCGGGGGAGACACATTCAAGAGGTGAGCCCAGAACCGG
GTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTATGTCCAGGAACAGCCCCCCCCCTG
TATTGTCCGTGTCTTAAACCTNACAAGCAACTTAAACCAACCCAACCTTTTAAA

Sequence 3599

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCCGGGCAGGTACCGCGGAGATT
GAAGTGCTGCGCCAGCGGGTGCTGAGAATTGAAGGCAAAGACGAGGAAATTAAGAGAGCA
GAGGATCTGTGTCGTCTGATGAAGGAGAACTTGAAGAGGAAGAAAACCTCACCCGGGAG
CTGAAATCTGAGATTGAGCGGCTTCAGAAACGAATGGCTGAATTAGAGAAGCTAGAAGAG
GCCTTCAGCAGGAGTAAGAATGACTGTACCT

Sequence 3600

CCGCGGTGGCGGCCGAGGTACGTGACTGGTTACAATCACTACCTGTGAAGGTCAACGTGC
GTGGGCTCATGTGCAAGCCCCAGAAAAGGTTCTGTTGGATGGCTATTAAGGATCTCAATG
CAGAACTGTTTGATTGTAAGGACAGTGGGATTGTAAGCACCATTAGATAACCACTGCAA
TACCAACACAGTGTATCCTGCCCAAGGACAGTGGCCAGCTCCAGTGACCAACAGCCAG
ATATTAAGGAACCCCAAGCTCACTAAGGATCAACAAACCACAGGGAGTCCCTCAAGAAAA
ACAATTACAATTACTGTGAAGTCTGTCACCTCTGATACCATTATATCTCTTGAAACTT

Table 2

GCTCTACCTATGACTGCTTTGAGACTCAACTGGCTTAACTGGGCCATAACCCGGCATT
GGATCTATAACANAAACAATTGTAACAGGGGAACGCAGTGAGTACCTGCCCCGGC

Sequence 3601

CCGGGCAGGTACCTGGCTGGGGAGGCCAGGCTGACGGTGGTGCCAGTGTCTGAGGAGGAG
GTGAGGGAGGCCCTGGTGCCTAGTGGCTACAAGGTCCGGGACCTCCGCACCTATATCATG
CCTGCCACCTTAGACAGGCGTAGATGATGTCAAAGGGCCGTCTTCTCGCCTGGGCTCAG
AAGGTTGGGCTGTGAGGGCTGTACCTCGGCA

Sequence 3602

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACGGTGAGGCACCATACTGCT

Sequence 3603

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTNGAGACAGAGTCTTGCTCTGTCA
CGCAGGCTTGGGTGCAGTGGTGAATCTTGGCTCACTGCAACCTNTGCCTCCTGGGTTCA
AGCAATCCTCGTGCCTTAACCTCCTGAGTAGCAGGACTACAGGAATGTGCTACCACATC
CAACTAATTTTGTATTTTTTTTTTTGAGATGGAGTTTCGCTTTCGTTGCCAGGCTGGA
GTGTGGTGGCATGTTCTCAGCCCACTGCACTCCAGCCTAGGCAACAAAGTGAGACTGTNT
NAAAAACAAAAGAAAATGAAACAAAAAACATTTAAAAAGTGCCCATGGGTGATGTTAGC
GCAAAGCCACATTTANACCCACTGCACCAAAAGATGATGACTCGGAGATTGAAATCATN
ATNTTANAGCTCTGGGAGGGGAGGAGG

Sequence 3604

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GTGCCACCACATCTCTACTAAAAATACAAAAAATTAGCCAGGCATGGTGGCAGGTGCCTG
TAGTCCTAGCTACTCGGGAGGCTGAGGTGGGAGAATGGCGTGAACCCAGGAGGCGGAGCT
TTCAGTGAGCCGAGATCACGCCACTGCACTCCAGCCTGGGCCACAGAGCCAGACTCCGTC
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TACTTATCCACATTACCCTACTGGCCTTTCTCTGACCGGATTGAAGATAAGAATTAAAAAT
CATTTAAGGAGATTTTAGATCTATGTAAGACAGAGTAATCTGTTCTAGTTTGTCTGAAT
TTGTGTTTGGTTTTTCATAAAACATTGGTTTTATTAGGAGAGAAACATTTTAAATATTTNAA
AATCATCTTTATTTTAAAGGCTAAAGANGTTAATTTTCATTGNGGTAAACTGGGGATGTGG
AAGACTTANGATTTATTAACANTTAATAGAAGCAATGCTT

Sequence 3605

AGGTACGCGGGGGACACCCTAGATCCCAAGATCTCCAAGGATTTGGTGGCATACCCACTC
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TGGTCTGTGCCTATGATCCAGAGGCCGCCTCTGCCCCAGGATCGGGGAACCCCTTGCCATG
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NAAAGCCAAGGAAGCAGAGATCCAGCCTTNTGGAAAAAGGCCTAGACGGAGCAAAAAAG
CTGTGGGGGGACTCGGAAAAGTAGGAAAAGATNCAGTCGAAGATCTAGAAAGCGTGGGTA
AAGGAGCCGTCCATGACGTTAAAGACGTTCTTTGACTCAGTACCTTGCCCGGGGCGGCC
GNTCTAGAAGTAGTTGGATCCCCCGGGCTGGTAGGGAATTCGATATCAAAGCTTATCGAT
ACCGGTCGACCTTCTAGGGGGGGGGCC

Sequence 3606

CGCGGTGGCGGCCGCCCGGCGCAGGTACGGGTAGTTTTTGAGCTGACAGCAGCAAAGGCAC
CATAAGTCAAAATATTGGTTTTGGTGGAGATGATCGATGTGTGTGTGAGAGAGAGCTA
TGTTTCTAACCAAGGGCCTAATGTTTGTTACAGAAATGATCCCAGAGACCTACAAGATGT
GGGAATCAGCATAACAGGGCAATGCAGCAATTAACCCACATCGNTTCTGTAGTTCCTT
TTTGTTCATTTTCTTCTGTCTCACCTCGTTAGAAAATTCCTCCCAGTCAGGGGTCTGTC
AGTGCANGACGGGGACCCAAGGGTCTCAAGCCTGCAAGTCCAGAAGGTGACAAACCCAG
GAGCACTGGGAGTTAAGCTTTCTTGGGGAGGGAAGAGCCTTGATGTCCAGCACACAGCC
TGNCTATAAAGACACGAAGCGACCTACCCA

Sequence 3607

Table 2

CGCCCNCGGCANGTACTCTNGNCCNNNCNCGGTTTTTTTTTTTTTTTTTTTTTAAAANTNA
ATAANTTTTAATTNAAAAGATATTTAAANATTTAANTTCAANAATNCTATTNTTTTAANN
TTTTTATACACATNGTTTTAATAAAATAAATTTTTTAATAATTTTTTNCAAATTAAT
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TTTTAATAAAAANAATTTTTTTTTATATAAAAANAATTTTTTTTTTAATTATAAAATTANA
AATGANGTTTTAAANTTATTTTTATTTATTTAAANTAAAATTTTTNTNTNANTTTTAAAT
TNTNTNNATAANTATAAAATTTATTTTTNAAAAATTTATTTATNTNTNTNTTTAATTT
ATAGAANTAAAAAAATAAATTTTTTAATNTNNAANNNAAAAAAATNTNTTTNAATTNA
AGGTTTTAAAAANANTTTNAAAAAATTTTTTTTTNTTTNAGAAAAANANAATAAAAT
TTTTATAAANTATAAAAAAANNTTTTTTTTTTAATATNTTNATAAAAAAANTNNT
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TTTTTTTTTNATTAAAAAAATTAANTTTATTAANTTTTAAAAAATTTTTTAAAAAA
AAATTTTGGTTTAATAANTTANAAAAANNTTAAATTTTTNNNTTTTTTANAAAAATTNAN
TATNNTTANAATTAGTTTTNAAAAAATTTNTANNTTTAAATATTTTTNTNTNAANTN
NNANATNTTTAAAGGTNTAGGTNTNNNTNAACAAAATTTTTTT

Sequence 3608

AGGTACAAAACCAGCTTCATTATTTTACCCTCACAGAACAGCTGACTCTAGAATTCTGCT
AATGATACACTGAAAATAAATATACGCCAGACTCCGTGGCTCACGCCGTGAATCCCAGCA
CTTTGGGAGGCCGAGGTGGGTGGATCACCTGAGGTGAGGAGTTCGAGACCAGCCTAACCA
ACAAATGGAGAAACCCCGTCTCTACTAAAAATACAAAATTAGCCAGGCGTGGTGGCGCATC
CCAGCTACTCGGGAGGCTGAGGCAGGAGAGTCGCTTGAACCCAGGAGGTGGAGGTGTGG
TAAGCTGAGATCATGCCATTGTGCTCCAGCCTGGGCAACAAGAGCGAAACTCCATCTCAA
AAGAAAAAAGAAATAAATATAGTAAAGCGTGTGAACCTTTGAAGCCAGGCTACTTGGAC
ATGATCCAGTTTGATCCAGCCATTCACTAGCTGGGTGACTTTTGACAAGTGAÇATAACAT
CTCTGAGGCTCTACTTCTCTTTTGTAATGAGAGAAATCAGCATCTATATAAANGGT
TATAATAAGGATTAAAGTCC

Sequence 3609

AGGNACTTNNTTTTTTTTTTTTTTTTTTTTTGGNTNGGTAGTTTGTTTTGGTGTAN
AAGGGGAATGTTGTGAAANANAACAGTTGGAACCCAAAAATATACAAATCCACAAATA
CTTAGTTTATGTCTATAAACAAAGAAAAAGCCTTTTACTTATNTTCAGAAATGAAAGTAT
AAGCACAAAGACAATTGATCAAATTATTAATTGNGGTCTTCTACTGGAGACTATGACCCA
TGTCATTTTAGTTTATNCATAAAGAAAAATAATGGTGTAGGTGATACCTAATGTTATCCAT
GTATCCGTGAANAAAAAGTACCT

Sequence 3610

CGAACTTCACTTTTTTNGGGGGNGACCGNAAANTCCGGGNAAGCCCTCCCACCCGGNCGG
GGTTGGGNCGGGGCCCGGAAAGGGTTTNCAAAATCCTAANTTTTTAAAACCAAAGCCCA
GGAANTNAGCCCNCTNAGGGGCCGAGGAAAAATTAATAAAAAAATTTGGCAACNAGGNAC
CGTTNTGGCCCAAATTTTTTCCAAAGGAATAGNCCATTTCCTTTTAAAAAATCCAGG
TATTTCCAGGCCTTTCCCAAAAAGGAATTGGGGTNTGGCCCCATTAAATTAAGGAACCT
TNAAAAACCAATTATTAATGGAATNGGGCNTAAAAAATAAAAAAATTAAGGTTAAT
TANCCGGAAAAAATGGTTAAAAAAGGGGGAAAAATGGTTAAAGGTTCCCCACCT
TCCTTCAAATTCCTTCCAATAAAAAAAGNNGGTNGGAAGGAAGGTTAAAGGGGAATGGG
CCTTAAAAAGGCCCAAAAAAATTAATAAATTTGGTTTAAAGGGTTTTCCNTTTTTTTT
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TTCCTTTTTTGGGAATTAATTGGNCCCCCTTTAAGGGGGGGTTTTAACCCCCCAATTT
TTTTAAAAAGGNTTTTAAAGGAAAGGGGGTTTTTGGGTTTAAAAATTGGGCCCAAAATTN
GGGGGTNGGGGGGGAAAAATTTGGGAAAAAATAATTTTNGGGAATTNCCAAAAAANTT
AANTTTANCCCAACCCCTTTTGGGTNCCAAATTTTTTTTCCAATTTTTTTTCCA
AAAAATTTTGGGCCCGGGGGCCCTTTGGGGGAAAAAACCCTTTTNCACCAAAAAA

Table 2

AAAAAAAAAAGGGGGGGGGTTTAAGGGGGGCCCAATTTGGGAAA

Sequence 3611

CCGGGCAGGTNCTTTTACTGCCTCAGACCTAGAATCAGCCATTTCTCAAAGGTGTCCTTG
TTGCTTCCAGTGAAAAAGGTATTTGGATGCTACAGTCTGCACTGAAAGATGTTTCATGGTT
AAATGGCTTATCACTTCCAGACTTTTCAACACAAGATCTAGGAGAGATGTAGTTTTTCA
AAGAAAGATGAAAATAAATAAATTTGTGTGATATTCCAATTCTAATAGAAGGTTAT
AGAGTTTTTACTTATTTGATTTTATATTACATCTTTTTTCCCCTATGCTGAAAATCATGG
CTCCTAAATGATATTAACAGAATTATTTACTTTTCTGCATAATATATAATAGTTTCCA
AAATCTACCAGTATTACAACCTATTAGTAAAAAATGTTAAGATGGTAGTTAAATACCAATT
TAGGCTTTAATTTATCTCATGTTGNTTTTA

Sequence 3612

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGNGAAACCCTGTCTCTACTAAAAATACAAAATTAGTCGGGCAT
GGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCANGAGAATCGCTTGAAC
CCANGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACA
GAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACAAAGAAAAAGAAAGCTTATNTT
GNACTTCTCTAAAAAAGAANTTGNNGAACGCCTGATGCNCACAAATCTAAATTTGGCAAG
GTCGATCAATTAAGGATNTTTATTNGCATCACAAAATAATTCTTTNCTCCCCCAAAAA
TCAA

Sequence 3613

AGGTACACGGAGTACAAAAGAACCAAAACACAACGGCGGGGAGGGAGGGTCTACCAATGAG
TGTCAGTGTCTAGTGCTTCCGGGAGCCAACTGCCAGGCTAGGGACACTCAAGTCCCTCAA
ACTGTATCAGCTCCTGCCAGACCCCACTCCAGCATGTCGAGGTTTCATATGAGAGTGTTT
GGGCCAGACTCCTCCAATCAGTGCACGCGATGGGCAGAGGAGGCTAGGGAATCCTGAGCC
CAAAGCTGTATTGGTCCATCCCCCTCAAGAAGTTGTTGGAGCTTTCAGAACCGTTCCCTCT
TTCTTGTTGGTAGACAATGAGATACCCGCTTGTAACCTTTTACTCCATTCACCAAGAAAAC
CTTGNGCCCTTTGAGGTCTAAGTCTTCTTGCTTTAAACCCCTNTGAGNAGCANTGGTTT
GGGATTTAAAGGGAAATAAGNTNCAAANGGGCCAAAGGCNAAGAACCAAAACCTCCCCCTA
AGGGTTNGTCNTTTGGGGCCATTGCCNGTCTTTTTTAAAAAANGGGGGAAAANGAAAGA
AAAAAAC

Sequence 3614

CCGGGCAGGTACGCGGGAGTGACTGCAAAGCCAGAAGCAGTGGCTCACCCCTGTAATCCC
AGCACTTTGGGAGGCCGAAGGAGGTGGATCGCTTGAGGTCAGGAGTTCGAGACCAGCCTG
GCCAACATGGTGAAACCCTATATCTACTAAAAATACAAAATGAGCCTAGAGTGGTGGTG
GGTGCCTGTATCCCAGCTACTTGGGAGGCTGAGGCACAAGAATTGCTTGAACCCAGGAG
GCGGAGGTTGCAGTGAGCCAAAATCGCACCCTGCATTCTAGCCTGGGCAACAGAGTGAG
ACACCATCTCAAAAATAATAATAAAAAAAGTGACTGCAGGGGACTGGGAAGAGGAA
ACACAAATCTTTACTGGGGAATGGAATTTCAAGTGATGCACCAACCCTTAGAAATCAC
AAACATCTGACCCCTTCTGAA

Sequence 3615

GAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCTTTAGCTCTGCCTGGTT
TATCGCCTTGTCGCCGAGCCCCCTGGCAGCCTCTCATCTACCCTCTGCTTCTGTGGGTTT
GCCGATTCCGGGCATTTTATGTAAATGGAATCGTATGATATGTGGTCTTTGTGATCATC
TTTTTACACTTAGCATGATGTTTTTTCATGTATATTACGGTCGGGTGTGGTGGCTCACACC
TGTAATCCCAGCGCTTTGGGAGGCTGAGGTGGGCAGACTACTTGAGCTCAGGAGTTTCGA
GAACAGCCTGGGCAACGTGGCAAGACCCCGTCTCAAATCTTTTTTAATTGGTAAAAAAA
AAAAAATTAATTAATAATTTCCNTCCCTTATTGGTATTAATTTGGNCCAAATTACTTTAA
ATTTTCTTTNATAATNTGCCCAAAACACACCTTANCCTTCTGGGGTGCCACGNTAAAT
ACAATCCTTTCAAAAAAAA

Table 2

Sequence 3616

AGGTACCTTGCAGGGCTGGGGTAATGTTCTTCAGGAGATTATACATGCCCCATGTCAGCA
TCCAATATATGATGCTGTTTCTACCATAGCCAAGATTCAAGAATCAAGGGGTGGAAATGG
GAGCGGCACCAAGTTGCCATTACCCCTAGTCATCCATTAGCATAATTTTGTCTCCTGTTCT
CTGTTCCCTGTGGCCTTATGCTCTGCTGGTCTAGGGGTCTTAGTGGCTCTCTTCATTAATG
TTGTCTGACACTTAGGCCTTTCTGTCTGCAAACCTTGAGTCTTCCTTGATGGACAACAGAG
CATGGAATTATTTTTGGACCAGAGTCTAGATTTACCTAGTCTGTGGAGTCTAGAAGATT
GCTGCGTAATATGGAACAAGTTACTTTGTACCTGC

Sequence 3617

GGCACAGTGGCTCACGCCTGTAATCCCAGCACTTTGGAAGGCTGAGGCAGGAGGATCACG
AGGTCAAGGATTCGAGACCATCCTGACCAACATGGTGAACCCCATCTCTACTAAAAATA
CAAAAAATAGCTGGGTGTGGTGGTGTGCAGCTGTAGTCCCAGATACTTGGGAGACTGAGG
CAGGAGAATCGCTTGAACCTGAGAGGGGGAGACGGAGGTTGTAGTGAGCGGATATCGCAC
CACTGCACTCTAACCTGGGCGACAGAGCAAGACTCCATCCCCAAAAAATCACTACTCTA
TACTTCTAAGAATCTTCTAAGAATCCCTGCTTCTTTTAGTGCACATGAGCTTGGTTCCT
CAGGCAATTATTTTATAATCTTCATTGCTGGCCATAATTGCAGTGCCACCAAATTACCAC
TGCATCACAAATGGATTGTAAAGAATAGTCACCCATACTTATAAATGATTGCTTATA

Sequence 3618

AGGTACAGCTGGAATCTGAGTAGTTTCAGGAAACACAGCATCATCATCTTCATTGTCTT
TCAGATTTTCTAGAAATGTCTGAAACTCTTGACAAGATTATTCAGTTTGCTGACAGATA
GTTTTGTCTCTCTTTTGGGAACCTGTTTATCCACAGGTTGGCTCCATTAGAAGCCTAT
TAGCTATTGAGTCTGTGTTGTGACAGGCCAACGTCATGTCCCAGGCCAGGAAGATGTTCA
GTTTGCAAACTGTCTGGTTCGCTCCTGAATTTGGTATTGTCTCTTCATGTGTTTCTTAT
CCTTTCAGTCCCCCATGCCCTTGGATGGGAGGGAGAAAGTGGATGGAAGGACCCCTTGA
AGGTGCGTCTTCCCAGGAGGTTGTGTCCTCACAGGGGGTGTCTCACAGGGGAAATAGCC
CACAGAGAGGATCAGGTTGGAATTGGATTGG

Sequence 3619

AGGTACTTTTTTTTTTTTTTTTTTTTGTAGACAGAGTTTCACTCTTGTCGCCCAGGCTGGA
GTGCAGTGGCGCGATCTCGGTCCACTGCAACCTCACCCCTCCCAGGATCAAGCGATTCTCC
TGCCTCAGCCACCTGAGTAGCTGGGATTACAGGCGCCTGCCACTACACCTAGCCAATTTT
TGATTTTTAGAAAGGGACAGCATTTACCATGTTGGCCAGGCTGGTCTCGAACTCCTGAT
CTCAGGTGATCCACCCACCTCAGCCTCCCAAAGNGGTGGGATTACAGGCGTGAGCCACTG
AAAGTTCCTATTAGTTTTTTGTTTAAATTTTAAACATAAATTATGTTATAGCAAAAATTC
CTAAGAATTGAAAACCACTTTATCAGAAATATCAAAATTCACAAATAATCCAAAATTTA
TATAGCNTTTTTTCCAGNCTAAAATATTAAGCTACTGAGAAGTGTTAACTTCCTAAAT
AGGATTTTACCTAACATTTGGTATCAAAANGGTAGCCCNTGTCTGNCTTAAATATTCCAN
ATTATCTAANAATTCATTTCCACTTGGTTTCATCCAACTTTTATTTTTTTTCATATTT
CNGGAATTTTTTAGAATCCCNTCCTTTTTTGGGGGANTAAANTTTTTCTT

Sequence 3620

GCGGCCGCCCCGGGCAGGTACTTTNGGAGACCCAGGCGGGCANATTGCCNGAGGTCAGGAG
TTTGAGACCAGCCTGGCTAACATGGTGAACCCCTGNCTCTACTAAAAATACAAAATTAG
CCGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATC
GCTTGAACCCAAGAGGTGGAGGTTGCAGTGAGCCTAGATCGCGCCANTGNACTCCAGCAT
TGGGCGACAGAGCAAGACTCCCATCTTAAATAAAGAAAGAAAAGNAAACCAAAAGAAAA
GGAAAAAGNTTTAANATTTGAAACCTTCNTCTAAAAAAGGAAAAAAGGGGAAA
AAGGCCCTTGGATNGCCACCACCAAAATNCTTAAAAATTTTGGGCCAAAGGTTCCGATT
CAAAATTTANAAAGGGGATTATTTTTATTTTNGCCATTCCACCAAAAAATTAATTTT
CTTTTTTACNTTCCCCCCCCCCCCAAAAAATTCAAAATTTAAAAAAGGTTTCCAAA
AANTANGCCAAAACCTTTTTTCCCCCTTAAANTGGNGGTTTTTAAAAAA

Table 2

Sequence 3621

AGGTACTTTTCTTTGAAAGCATAATTTTCCTTATTTTAAAAGATGTGGCTGTCTTCTCTG
GTTGTGAGAGCAATACACTGGGTCAGGCATATAGTAGGCACTCAGTAAATGTTTACTGAA
TTGAACTGATTGTTTGCCATGGAATTTTATCATTGGATCAATACACACTTACTTGTTAA
CCAGCTTTTATGAAAAACATATATGTAATACTATGAAAGTCAATTGCAGGAGACTAATCT
TATCTGGAATGTCAAGGGAGATTGCTATGAAGAAGTGATTTTGTAGCTATGTAAAAATGA
TAGCTAAGGGTGGTGGCAATGGAGCTATGTGTGTGTGAGTAGGGGTGCCCTTGAAGTAGA
GGCAAAAATATGTGCAAAGGCTCTGAGGCAGATATAGGTTTGGCACATTAAACAGCTGAT
TAAAGGCCAATGTAGC1GGAGAACGAAGTGGGGCAGAATGGGTTTTAAGAAATAAACAGG
TTAGTAATAATATCAGCTTTTCAAACTCTCTCTGGCTGGTATATATGTATAAAAAAGA
CT

Sequence 3622

CCGGGCAGGTACCAGGGTAAGCGGGGGAAGCTACATACAATAATAATGCATTCTCTTATT
TAACATTGCGAGTTAACTTTTTTTTGTAGACGGAGTCTCTGTGCGCCAGGCTGGAGTGCAG
TGGCGCGATCTCTGCTCACTGCAAGCTCCGCCCTTCTGGGTTACAGCCATTCTCCTGCCCTC
AGTTTCCCGGGTGGCTGGGACTACAGGCGCCTGCCACCAAGTCTAGCTAAATTTTTGTAT
TTTTAGTAGAGACGGGGTTTCAACATGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGT
GATCCGCCCGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCGCTCCCGG
CCCAACTTCTTTTTTAACTCCTGCAAAACCAACACAAAGTCAGGTTTGTGTGCTTA
GACCATTTGCTATTTCTTAGCAATC

Sequence 3623

CCGGGCAGGTACGCGGGGACAGTCTGCTGGTGGGCAGAGAAGACAGAAACGACATGAGCA
CAGCAGGAAAAGAAAGTTGTCTGACAGAAGTTTGATGAGAGGAATTTGACTCAGAAGACT
GAAATATCCTTTAACCTTACTATAAAATATCTTACAAAATACTCATTGATTTACAGCAT
TAGAATCATCAAGGTAATCAAATGCAAAGCAGCTGTGCTATGGGAGGTAAAGAAACCCCTT
TTCCATTGAGGATGTGGGAGGTTGCACCTCCTAAGGCTTATGAAGTTGCGATTAAGATGG
TGGCTGTAGGAATCTGTGCGACAGATGACCACGTGGTTAGTGGAACCTGGTGACCCCCC
TTCTGTGATTTTAGGCCATGAGGCAGCCGGCATCGTG

Sequence 3624

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGGAGCCGGAGCCTTGCTCTG
TCACCCAGGCTGGAGTGCAGTGGCATGATCTCAGCTCACTGCAACCTCAGCCTCCCAGGT
TCAAGCAATTCTCCTGCCTCAGCCTCCCAAGTAGCTGGAATTACAGGTGCCACCACCAG
GCCAGCCTCCCAAAGTGCTAGGATTACAGGCATGAGCCAATGCACCCAGCCCTCAGTCT
NTTNTTAACCTANCAAACCTCCTACTCAGCCATAGGTCTAGCTTATCTGTACCTTCCTAC
TTTCTTGGCAGTTGCTCTTTCAGCAATCTCACAATAAGCTGTATGCATTTNTAACTAGA
ACACTTACCACACTGTACCTN

Sequence 3625

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTCTGGGGCCTGGNGGCTGGT
GACCACCACAGAGGGAGGATNTTGCCGGTCCAGGATATTTTGCTGTATTTNAGGTATTT
CCGNANAGTCGCAGGGCACTCCTCCTCCAGGTAAGCCTTGGCCCCGNTGCACGTAAACTGG
TTNTGCCCTCCCACTTCTGNTTGGTTATNTGGGCTGCTGGGTCNAAGGGGACCCAGGCTGG
GATTTNTTGTGTTGAATTCAATGTAGTCCTTTCCATCATAGTAATTTCCANAATGCTCC
GCTGCTTCTGTTATTCTCGATCTCACAACNAAACCTTCCCTGCAATACGTGANACCCTGA
AAACTCCCCGACCCACANAGAGACAAGTCAGCCTGGNGANAAATTTNTCAAATAACT
TTTAGTNTTGCACATTGGGCAACCCAAAAAAATAAAGGTTTTTGAATTCAAGCATGCA
ATCCCTTTATCAANACAAATAGGTTATTACTCCAATTTNTACAACAGACAGAGAGGGGCT
AACTNANTTTGGTTTGGCATTTTCAGGTTTGTNTCAAAANAAAAATGTTCCCTCTTAAAA
ANAACACAGCCTGGGGCCTGNGGGCTTTATGCCTGAAATCCCCAACACTTTTAAAAAAC
TNAANCGANGGGGATCGCCCCGAACCCCCAGGGGGTTCCAAAAACCAACCCNAGGGGTG

Table 2

ATNTTGGNGNAAATCCCCCCCC

Sequence 3626

CCGCGGTGGCGGCCGAGGTACTTTTTGTTGTATTTTGTATCTAAATCAATTATT
GTATAAAATTCAGACTTTTATGAATTATATGTTCTCTTTAATAAAATTCACGTGATT
AATTTAAGGTTTGTAGAATAATATAAAACATTCTTATTCCTGGCTGGGCACGGTGGCT
GAGCCGGTAATCCCAGCACTTTGGGAGGCCGAGGTGGGCGGATCATGAGGTCAGGAGATC
GAGACCATCTGGCTAACATGGTGAAACCCACCTCTACTAAAAATACAAAAATTAGCT
GGGCGTGGTGGCAGGCACCTGTAGTCCCACCTACTTGGGAGGCTGAGGCAGGAGAATGGC
GTGAACCTGGGAGGCAGAGCTTGCAGTGAGCCGAGATCAGCCACTGCACTCCAGCCTGG
GCGACAGAGCAAGATTCCATCTCAAAACAAAACAAAAACAACAACAAAAATTCATT
CCTTACCTGAAAGCAAGTTTTGGCTTTTCTACCGAATTTCACTTATTTTAAATCACATT
TATCTTTCCTAAGTTGTTTTAAACGACATGGGACTAAATCCCAAAACTAAAAATGAAA
GGNGAGTTATAACATTGAGTTACTATTTAACAGGNTNAAAAGAGCCCAACGCCAGGC
TATACAGTCCACCAGAAGAAGCAAAAAAAAAAAAAAAAAAAAAAGTAC

Sequence 3627

CTGTGATTATGTAGGAGAATGCCTGTGTTATTCACACTGCAGAGTAAAGTGCTGTGACTT
AAATGGTTTGGATGTTTGTCCCTCCAAATCTCAAGTTAAATGTGATTGCTGGCTGGGT
GCGGTGGCTCACACCTGTAATCCTTGCACTTTGGGAGGCTGCGGTGGGGAGATCACCTGA
GGTCAGGAGTTCAAGACCAGCCTGACCAACATGGTGAAACCCCGTCTNTACTAAAAATTC
AAAAAATTAGCCAGGCGCCTGTAATCCCAGCTACTCNGGAAGACTGAGGCAGGAGAATC
ACTTGAACCCCGAGGCAGAGTTGCCGTTGAGCCAAGATTGCACCACTGCACTNCAGCC
TGGGCGACANGGCCCGAGACTCCGTCTTAAAAAAATAATANNNANNAAGAAGGTACCTG
CCCGGGCCGGCCCGCTTTTAGAANTANGTGGAATCCCCCGGGCTGCAGGAAATTCNATT
TNCAAGCTTTATTCGAATACCGTNNNACCNTNGAAGGGGGGGG

Sequence 3628

AGGTACGCGGGATTGCAAGCCTGTCCCCAGTCTCCCCACTGCTGCTATGCCTGAAAAGAG
CCCCAGCCCCGTCTCCAAAGCCCAGGGTTGCGCTCTTGCTGAAAGAGCAACGTTCCAGG
CTGAGGACAAACCCAGGACTGCTCAGGCGGAGAGATCCCTGCCCCACGTTCACTACTGA
CAACCCAACTCCATCCTCAGTCTCCGTGGCTTCAGATCTGGACTCCGCACCCTCCTCCAC
CTCCACCTCTCTTCCCAGAGACCCTCCCCACATCATGCTCAGTGCTGTTTCTGAAGACCA
TCTAGACTTTTGTGTTCTCTGGAACATTCTACTCACCTTCAGCTGCAGCACATTTCTTCA
GCCTCTCCACCAAGCTCTTTAAATGAAAGGCAGTTACTGTCTTCCCTTGGACAATAATG
AATGTATCTACTGTATGTGCAGACCATGTGAGAAGTGGCTGGGTTAAGAAAAAGAGGG
TTTTTGTAAGCCCTGTTTATTTTTTAAAGTCAGTTTGGAGCATTTCTATTTTACCACCC
TTCACATGGTTTTGGGGAACCCAAATTGGTATTCAAGGTCTTCATGCCAAACAAAGCCA
AAAGTTGGTTTCTTACCTTTCTTCTCCATGCACCATGATTTTCAAATGGATTGGNT
TCAAGTGGTCATTTTTTAAAA

Sequence 3629

CCGGGCAGGTACGCGGGCTGGCCTCTAATGGAGTCACTATGACAAGAGCAGCCCCCTGCCT
CTGGGGGGCTCACAGCTCACTGGAAGACACTAGAATCCTGTTCTAGAGCCTGGGTGAGGA
AGTCTTGGGATTCCCCTGGGAAATGGAAGACTGTGCAGCAGGACCCTATGTTGCTTCCCT
CTGACCTGCAGCAAGANACTGTGAGAGGTGATTTCAATCANNAAATNTCTCAGNTTCACT
ACCCTTGAACGTCAATGGGCCCAAATGAAATTTTTTCATGAAGTAAGATT

Sequence 3630

AGGTACGGAGGAGTTCTGGAAGCCTTCATGGATCTGAGCCTCCGGAATCTCCGTGAGGT
TGAAATTCAGGCCCTCCAGGATTCATCGTGAGTGTCAGCCTTGGTCCCCAGGGAGAGCA
TTGCAAAGGCTGTAGCGATGCTCACTGGGGAGAAGAAGATATTGGTGCTGTTGGACTGGT
GTGCCAGCTGGCGGTATAGGCTGAAGGCCAACTCAGCCAGGTTGGGGGTGATCTTGTGA
AGGTTGGGTGATCCTGATCATGGTGGGATGTATCTGTCTTCTGGGCAACATCTNCCTGGG

Table 2

GATCCTNAGCCAGGGAGACAGGNACCAGGCAGCACAGGCCTGCCAGCAGGAGGNTGCCCC
ACNAGACAGAAGACGGCANTGTTCTGATTCACTGTCCCCNGGTTCAANTGGGTNGGTGCCT
TNGAAAAGCTTGANGGAGGACAGGGGCCCTGTCCCTNGNCNCCGTATTTTTAAAGGCA
ANTTGGNATCNCAANAAGGGGGCAAACCCGGGNGGGNAAGGCCTGTCNTTNGTNGGAAAT
ATTANAACCCAANGGGTTCNACCNCCAATTNTNTTTNNGTNGGGANGCCANAANNAGNGG
GGTTAANATTNACTTNNGNCTCNCCCCCCCCCCCCNCCCC

Sequence 3631

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACA
GAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACAAAGAAAAGCTTATATT
GAACTTCTCTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATCTAAATTTGGGCA
AGTCGGATCAAAATTAAGGGGATTATTTATTTTGAATTCACAAAAATAAATTCCTTTA
CNTNCCCCCAAAAAATCAAATTAAGGTTTCAAATTANCCAACTTTTTTCTTAA
AATGGNGTTTTAAAAATGTTTAATTNANCNCAAAATNCCATTGGTGTNCCCCCAACCT

Sequence 3632

GAATTCGGCCAAACNCGCGGGGNAGTAGGCGGTTTGCCTAATTGGGGCCGCTCTTCCCG
CTTTCCTTCGCTTCACTTGGACTCGGCTTGCCTTCGGGNTCCGTATACGGNCTTGCGG
CCGAAGCNGGGTAATCAAGCCTTCAACTTCANAAAGGGCGGGGTAAANTAACGNGGNTT
AATCNCAACAAGAAATCCAAGNGGGGTAATAANCNGCAAATGNNAAGGAAACAATTGT
TTNAAGCCAAAAAAGGGGCCANGGCCAAAAAANGGNCCAAGGAAAACCCCGTTA

Sequence 3633

GGTGCGGCAGCTCACACCCGTAATCCCAGCACTTTGGGAGGCTGAGGCGGGCAGATCACA
AGGTCAGGAGATCGAGACCATCCTGGCCAACACGGTGAAACCCCGTCTCCACTAAAAGTA
CCTGCCCCG

Sequence 3634

CAGTAATCAGGGNGATANACGCAGGGAAAGGAACATGTGGAGCAAAAAGGCCAGCNAAAA
GGCCNAGGGAACCCGTAAGGAGGCGCGTTTGGCTTGGNCGTTTTTTTCCATTAGGCTC
CCGCCNCNCCTTGACGAGGCCATCNACAAAAAATTCCGACCGCTTCAAAGTTTCANG
NAGGTTGGCCNAAAAACCCNNGGACAGGGAACCTNTTTAAAGGAATAACCCAAGGGC
CGGTTTTTCCCCC

Sequence 3635

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTCTGATGGGTCTCACTCTGTCTC
CCAGACGGGAGTACAGTGGCNCGATTATGGCTCACTACAGCCTCAACCTCCAAGGCTCAA
GTCAATCTTCCATCTCAGCCTCCCAAGGAGCTAGGACTACAGGAGTGTGCCACCACGCCC
AGCTCATTTTTTTTATTTCTTGNAGAGACAATANAGTTTACCATGTTGCCCAGGCTGGT
CTNTAACTCCTGCGCTCAAGTGATCCGTCCACCTTGGCCTCCCAAAGTGCTGGCATTGCA
GGCGTGAGCCACCATGCCCTGCCTAATTAAGTCATTTAAAGAAGNTTATGAGAACTGAT
AGAGGCTAAATTACCTCAGTGGGACAATTCAAATAAGACAACCTCTAAAAACTGCTTNG
GCTTANGAGGCCCAGCTGGGTTGGCTTTTGGGGTAGTCCCCCTTTCAAAAAGCCTTTN
GGCAATCCCCAGGTCATGCTTTAAGGGG

Sequence 3636

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACA
GAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACAAAGAAAAGAAAGCTTATATT
GAACTTCTCTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATCTAAATTTGGCAA

Table 2

GTCGATCAATTAAAGGGATATTTATTTGCATCACAAAAATAATTCTTTACTCCCCCANA
AAATCAATAAAAAAGTTCAAATAGCCAACTTTTCTAAATGGTGTTTTAAATGGNAATCA
CCCCAAATNCATTTCCGCGGTACCCTNCGGGCCGNTTNTAGAACTAAGTNNGGGATTCCC
CCCGGGCT

Sequence 3637

AGGTACAAACCCAGTTTGTTCAAAAAATCACAGTGGCAATGCAACTCATCACTCTAGA
AAAGCAAGCTTAGGCTACCTGAAAGATTTTCCCTTGAAGTTTAGCGTATGTTTACTAA
CAAGAATTCCTACATCAGAGACTCTAGGTGCTATATAATCCAAAACTTTTCAGCCTGT
TGCTCATTCTGTCCCATGCTGGCAATAATACCTTGTCAGCCATTACCTTATTTTGAA
TTGCTCCATCTCCTGGTNGGGACTTGATCTTGNCTGGCCAATATCAGGAAACACCAAAC
CCCCTGAAAGAGGTTCTGATTTTNGGATTTNTTTNTTTTTNTCTTNNATTGCCTTACC
CTTTTTTTTNGGGGAAAGTTTTTCCAAGCCCGCAAATTTTTGGAAAAATTGAAANATGG
ACCAAAGGGNTGTTATTTTTTNAATTCCAAATTTTTTCCAATTTNCCCCACCCATT
GCCAATTTACCAAACCCCTNNTTAACTTTAAAAAATNNGGGGGTTAA

Sequence 3638

AGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCT
GGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGC
TCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGNAATCGCTTGAACCCAT
NGAGGTGNGAGGTTGCAAGTGAGCCGANNATCGCGCCACTGCACTCCAGCATGGGCGACC
AGAGCCAANGGCTTCATCTCAAAAATANAAGGAATGGAAAAAGATNCCAAGAGNAAGAAA
GGAAAAAAGCTTTTATATTTTGGAAACCTTTCTTCTTAAAAAAAATAGNAAAAAATAAN
AATGAAAAAGGCCCTTGAATTGGCCAACCACCAAAAATTCNTTAAAAATTTTGGGGCC
AAAAGGTTCCGGATTCCAAAATTTAANAAAGGGGGATTNATTTTTAATTTTNGGCCAAT
TTCAACCAAAAAAATTAAATNTTCTTTTAACTTTTCCCCCCCCCCCCGNCNGTT
NACCCCTTGCCCCCGGGGGCCNGGGNCCCGCCTTCTTNNAGAAAATTTAGGGTTGGGGA
ATTCCCCCCCCCGGGGTCTTGGCNAAGGAAATTTCCGGATTTTTTCAAAGNNTTTATTCG
GNATTCCCNCTTNGAACNCTTNTAAAGGGGG

Sequence 3639

AGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGGGTTTGAGACCAGCCT
GGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGC
TCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGGA
GGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACAGAGCAA
GACTCCATCTCAAAAATAAAGAAAGAAAGAAACAAAGAAAAGAAAGCTTATTGAACTTCT
CTAAAAAAGAAAAAAGAAAGCCTGATTGCACACAAATCTAAATTTGGCAAGTCGATC
AATTAAGGATATTTATTTGCATCACAAAATAATTCTTTACTTCCCCCAAAAATCAATA
AAANAGTTCAAATAGCAACTTTTCTAATGNGTTTAAAAATG

Sequence 3640

AGGTACTTTTTTTTTTTTTTTTTTTTGGATGGACTCTTGCTCTGTGCGCCAGGCTGGAN
TGCAGTGGCACCATCTCTGCTNACTGCAACCTTCGCCTCCTGGATTCAAGTGATTCTCT
GCCTCAGCCTCCTGGGTAGCTGGGATTACAGGCACACACCACCATGCCAGCTANATTTT
TGATTTTTTAAATAGACACAGTTTCCCCATGATGGCGAGGCTGGTCTCAAACCTCCCG
ACCTCAGGCAGATCCACCGTCTTGGGNCCTCCAAAAAGATGCCTTGGGGAATTTAACAGG
GCGTGAGCCCACTTGACNCCGGGCCCCAGGATTGAAAATAGNANTTCTTTGGCGACAA
AGGTANGCCCAAAAATNGTTTNGGCTTAATTCAAGAAGCNAAGCTTGGGGGCTTTTTCAN
GTCCCACCCACAANGGCTTGGCTNAGTTTCCCTTCAANGACCTNGTNGAACCCAAAGTTA
AAG

Sequence 3641

CCGCGGTGGCGGCCGCCGGGCAGGTAAGGCTGCAGGTTCTGGATGATGGTGAAGTC
GTCTAGGGTCTTGGGCTGGGGCACTTGATGATCTCGGTGGTGTAGCGCAGCTTCCAGCC

Table 2

CCGGCTGTCCCCGACTCATCTGTCCCGCTACGCGGGGTGGGAAGAAAGAAGGGGCCAA
ACTGGAATGTGGAGGAGGCCCGTGGGGGAATAAAGGCTACTTTGTCCAGCCCACAGTGT
CTCTAATGTTACAGATGAGATGCGCATTGCCAAAGAGGAGATTTTGGACCAAGTGCAGCA
AATCATGAAGTTTAAATCTTTAGATGACGTGATCAAAAGAGCAAACAATACTTTCTATGG
CTTATCAGCAGGAGTGTTTACCAAAGACATTGATAAAGCCATAACAATCTCCTCTGCTCT
GCAGGCAGGAACAGTGTGGGTGAATTGCTATGGCGTGGTAAGTGCCCAATGCCCNNTTG
GTGGATTCAAGATGTCTTGGAATGGAAGAGAACTGGGAGAGTACCTCGGCCGCTCTAA
AAACTAGNGGATCCCCCGGGCTTGC

Sequence 3642

TGACAGGCAGGAAGCGGNGGCACCANCAGGGGGGAAAGGGCAGGGACTTAATNAACNCAN
GCTTATNACCCGCACTTACNGGNAATTCCTCGTTTCATGGGNAANAATTGCAATCCCNAN
CCCCATNACAAANGGGGTTNAACGGGTACCCNCCCCTGCCGGCNTAGGGTACCTGCCCG
GGCGG

Sequence 3643

ATTCAAAATTTTAAAAAGGGGAATTNATTTTTATTTTTATNGCCNATNCCNACCAAA
AAAAATTAAAAATTTTCTTTTTTACNTTCCCCCCCCCAAAAAAAAAATTCCNAATTA
TNAAAAAAAGGTTTTCCAAAAATTNNGGCCAAANCCTTTT

Sequence 3644

AAGCTTCAAAACCCATCACTCCACTGAATCCAGGGATGCCAGAATTGAGAGTCCATAGGA
CCCGTTTAACGGATCCACATTAGTATACGGTTTTTGTATGCTTNGAGGGAAGGAAGG
TATTTTCAAATGCANCTTCTTTTTTTTTTTTTNTTGCTCTANTTAGGGCTGATTTTACC
ACTGGGCAAATTGTCNTACATTTGGATCCATGCCACNCTAAATACTGTTTATTTTGGAGAT
CTGTCAGAGGCAAGCACATGGAANACANGGGGATTCTG

Sequence 3645

CCGGGCAGGTACGCGGGTAAGGAGCGGGTGGCAGCTGCCCTGGAGAACACCCACCTCTTG
GAGGTTGTGAATCAGTGCCTGTCAGCCCGCTCCTGAGCCTGGCCTTTGACCCCTCAGCCT
GCATACTGGTATCCTGGTCCCAGCTCCTGCCAGGGCTGTTACCGTTGTTTTCTTGAATCA
CTCACAATGAGAACTAACATTTTGCTTTTTGTAATAAAGTTTAATTTATATTAGTTCA
CAAAATAAAAAAAATAAANTAAAAAGTACCTCGGGCNCGCTCTANGAACTAAGTTGGGA
TCCCCCGGGCCTGCAAGGGAATTCGATATCAAAGCTTTAATCGATACCCGTCCNACCTT
AAAGGGGGGGGGCCCCGGGTACCCAGCTTTTTGGTTTTCCCTTAAGNTGGAGGGGTTAA
ATATGCCCGCCGGCCTTTGGGCCGGTAAATTCATGGGNNNATAAGGCCTTGTTTTCNCTT
GNNGTGGAATAATTTGNTTATTCGGCCTTCCACAAANTTTTNCNANCACNAAACCATT
ACTNATNCCCCGGGGGTAGGCCATTAAAAAGGTGTNTAAAANGCCNTGGGGGGGTNGGC
CTTAAATTGGAAGGTNGAAGCCTNAACCTCCAACNATTTAA

Sequence 3646

AGGTACTTGGCAATCTAAGACACACTGGGAGACTGTAAGAGGAATTAATATAGAAAAGCT
CTTAATTATAATAACATTTGGAAGAAATTTTCTTTGTTTTGTAAGTGGCTAAGGTTG
TAGGAGTGTGTGGTATTTATTACCTTTTAAATGAAGTGTAAATTTGCCTTAGAAATTTGT
TTAAAGGCTAGCAAGTGAACCTTGAGGATGATCATATACTAATAAAGATTACCAAAA
GAAACTTCTTGCTCTGTTAGGTCAAGTGTATGATTTAATGGTTTTAATTACTTAACCAAT
TTAAGAATTGACAATTTTTAAAAATATTTTTTTCTACCATTCTAAAGTAATGTCTTTT
GTTGTGGGTTTATGTGTAACACAGGGATTTTGAACATAAACATTTTGAAGGATAGTCA
ATGGTATTTAGTCTTGGATNTAAAAATAGAGAAAATTTATAGCTTTATG

Sequence 3647

CCGCGGTGGCGCGGAGGTACCTAAGCCCCTCTCACAGGTCCAGGTGAGGGGCAGGCAGG
GCTGGGTATAGAGTGGAGTGAGGCCCTCTCCTTGGGTTAAATTTAAAGGGGTGCCAAAA
AAAAAAGAGCCTCAGTAATCAAGGTAAATCATATTGCAATGCAGTATTTTTTAAAAATC
AGAGTTATTGAAAAATTCACGATGAATACAGTATCAAAATTTTAAGTCAGGCTTTGTCT

Table 2

GGGTTGGTGTCCAGGTGTGAAGGATCTCAGGAACAGGCAGCACACTATTTCTGAAACCTG
GCCTTGGACTTCAGTGAGCGCAGGGGCAAGGAACACCACGGCCCTGGGGCCCTCGCTNCC
CAGGGCTCCGCTTGTGACNACTCTTGACCTTCTGGGGTTCAAGAAATGCCCCAGACCGTC
CTATCCCTCATGTTC

Sequence 3648

ACTATAGGCGGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACCAACAGATTTCTCAGG
GTGCTCCCAAAACTGTGATGTTTGGAAATCTCTGCCCTCAGGGATCCCTGACCGCTTCT
CTGGCTCAAAGTCTGGGACCACAGCCTCCCTGACTATTTCCGGCCCTCCAGCCTGAGGACG
AGGCTGATTATTAAGTCAACATGGGACTACAGCCTCAGTGCTCAGGTGTTCCGGCGGAG
GGACCAAGCTGACCGTCTAGGTGAGCCCAAGGCTGCCCCCTCGGTCACTCTGTTCCCC
GCCCTCCTCTGAGGAGCTTCAAGCCAANCAAGGCCACACTGGTGTGTCTCATAAGTTGAC
CTTCTACCCCGGGAAGCCCGTGACAGTNGGCCTGGGAAGGGCAGATTAGCCAGCCCCCGT
CAAGGCCGGTGAAGTGGGAAGA

Sequence 3649

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCAATATATCCTGTAAGTGCCAG
CATTGATGCCACTGGGGAAGGTGCAGGTGAGACTGACTGATGCTCCAGGAGATGCAGAGA
GGGAAGCCGGCTGAGTCAGCACAGCCTGCCAGAGGGAACCTGTGCAGTGAGAGAGGAACA
TGAGGAGGAGAGGAGTCCAGGCCATGGTGGACACAACCTCTTACCCCGCAGTCCCCGCG
TACCT

Sequence 3650

CCGGGCAGGTACCCCCTACCCAAAGTGGGTAGTCCCAAAGTGTGGCTGAGTCCAGGGTT
TTTATGGGCTCGGAATGGGGAGTGCATGCTGATTGGTCAAAAAGCACCATTCAATTGGC
TGAAAGGCATGGAGGAAGTTCTCACTGCAGTTGGGGACTTTATCTAGAACTGGCAGCTTG
GTTTTAGGCTTTAATTTGTCTTTGGTTGAAGGTTGGGTTTACCAGGGACCCACCCCT
ATCTGCCTAGGAATTTGTCTCCCTTCTGCTGCTATCACTGATACAGATAGGCATAGGGCT
ATGGTTTTATCTGTGGTATTTGGCTGTTACAGAGAGGTTATGACCTACAATTTTCTGTCT
TTTTAGCCTGCGCTTTCTGACTTTTCAAGGCTAGACAGATCAGGGGTTTGTGATGCTTT
TTTTTTTTCTTTCTTCTGTAGGTGTTTCTGGGCTACGTGAGGCAAAAATTAACACAGAG
AAACTCACCACAGTGTTTTTCTTTGGATCCCATGATGCCCCAGATGCTCTACTTTTTTC
CTTTTACCTTTCAAAGGTGTTTTATAAATCATGTAAATCCAGGGTTTTTCTGTTTGN
CCTTCGGCCCGCTCTTNAACCTAAGNGGGATCCCC

Sequence 3651

AGTCATGTAGTCTGTTTTCTGCAGNGCTTAAATCTTTTCCCAAAGTAAGTGGATTCATC
AGGGTTATAGTTTGNAGAGAAGCCATTTCAAGTTGTCCAATGTGATATATACATATATC
ATCATCTGCTTTCATGAACCANTCCATGTATTCCAGATAATGGTCANGAGCATATAGAAA
NGCTNTAACTATTNTCCAGGACAGTTGGTTTTCTGTCTTNTTGGTGTGTNANCCACAGT
ANAGAAGTCTTTATTTCTTTGAGCTCATAAACAACGCTTTATTGCAACCCTGGGCCCA
TGTATCTCTGATNCGTCTGATCTTTTTNTTCTAAGATTTTGAGGNCCTGNCATAATCCAG
CAAAGAATTTTCATNTTTTGATAGAGTTTGNACAGTGACACCTGTGTTCTGGAATTTTATT
GATGACTAGCATTGCAATCACTTANATNANTCTTTTAGATGATTCTGCCCNATCA
ATCTNGAAGGCCTCACGTAAGAATAATTATNAA

Sequence 3652

AGGTACGCGGGGGCGCCCGCTTGCTGCACGGCAGCCGTGGGACTGGCACAGGCTCCTCG
GCAGCATTATGGGCAGCTGGTAGAGCGGCCACTTCTGAGAGCCGGATGGGCCCTCCGAGT
TCCCACCGCTCCGGGTGTCTCCCCAGTGCGCCGCGATTTTGTGTCCAAGCCCCAGAGT
CCCTCTGAGACCAACCCCCAGCCAGCACAGACTTCTGCCCTCCCAGCTCGGAAGCGCCC
TCGAGAAGTGTCTAAAGGAGACAGTTGATAGCCAAACAACAGTTTTGGATCACTGACTG
ATTATGAAAGAAGCAGTAGACTGGTATCAAGAATCAGTCAGCAAGGAGGCCCTCACCAGA
CGCCAAGTGCCATGTTCTTGGACTTCTCAGCCTCCATATTCATGAACCTAAGTTTTTGGA

Table 2

TCCTTAGGCTTTCAACGTGTGGAAAGCCTGAGCTTAACCTACT

Sequence 3653

[illegible]

Sequence 3654

AGGTATCTCAGTTCNGGTGTAAGGTCNGTTCGCTCCAAGCTGGGGCTGTGTTGCACCGAA
ACCCCCCGTTCAAGCCCGACCGCTTGCCGCTTATCCCGGTAACCTATCGTCTTGAAG
TCCCAACCCCGGGTAAGACACGGACNTTATTCGCNCACNTGGCCAAGCAGNCCCCTGGG
TTAAACAAGGGATTAGCAGAAACCGAAGGTATTGTTAGGGCGGGTGGCTTACAAGAGTTT
CTTGAANGTGGGTGGGCCCTTAACCTACCGNTACCACTTAGAANGAACAGTATTTGGG
TAATCTTGCCGCTCTTGNTGAAAGCCAGTTTACCCTTCTGGGAAAAAAAAAGAAGT
TTGGGTTAGCTCCTTTGGAATNCCCGGGNCAA

Sequence 3655

GCTCCACCCGCGGGNGGCGGCCGAGGTACACAAGAGAGGCCAGCCATTAAGAATTGTTATC
AATACAATNAAAGGGAATACTTGCCAGAGATCCTCTAGATAAGTAGCTAAAAATGTGATC
AAAAGGAGAAAAGAGGAAGAAGCAAATNCNCANACGTNTTATGGGCTTAAATAAAAAAAA
GACATCTCTGAACAAATGATAAAATCCCTTCCCTGAAAAATTTCAAATGAGATTCACAGA
AATGCAGAAGCAGAAGGAAACTTTAGATTTANAAACATCTCATTTTGGGGCTGGGTGCNG
TGGGCTCACCGCTTGTAATTTCCCGGCACTTTGGGGAGGCCCGAGGGTGGGGCAGGATCA
CTTTGAGGCCAGGAAGTTTAACACCAGCCCTGGGCAACCATGGTGAAAAACCCCATCTT
TTACAAAAAAAATACCAAAAAATTTAGCCCGGGGCCATGGGTGGCATTACCGCTTGAGN
TCCAGCNTACTTAAGGGCGGCNTGGAGGGCANTGAGAAATCACTTTGAACCCAAG

Sequence 3656

ACTCTTTCTGGAATTACTCTCTTGAAGCCCAGAATGTGTTTTCATATTAGATCTAAACA
AATTATAGGTTCAAATATTAANNGTTNNCNTCCCCANGAAAAACAAAANNCNCTCANCC
AACTNTNANTANNGATTNTGNNGGAGCACAGGCCGNTCTCTGTTCCCGCANTAAAACAG
ACTGTTGCCGCCACAGCCAGGGGGCTCTCTGGCAGGTCCTCCCGCGTACCT

Sequence 3657

GGNGGCGGCCGCGCCGGGCAGGTACGCGGGGTTTGAGGGCTTTGGGCCAAGGCGCAGCTG
GGTGGTCAATTCNCGCANCAGNGGTTCAACCACAGGCCTGGGTGGTGAGCAGCGGCTNTNAN
GNNAAAGCAGGCCAAAGACAGCTCGGGACAGCCCTCACATTTGAGGAATGCCAGGAAGA
CTAAGGACAGTGAAGAGGGCTTGGGAGTTATAGCCAACCATAANCTAACACTTTTCTNA
NAAAAAAAAAAAAAAAAAAAAAGTACCT

Sequence 3658

CCGGGCAGGTACACCTCACAAATGATAGTGGCTGAGAGCCAAATGATGAGCTTCTCTGTG
TTATGTCTACCTAGCTGTGATTATATCAGGCACAGGATTGCGCGCGTGTGCTCTAATCCC
ACTGTGTCATGCAGGATTTTTACCTCGGCCTATGCCGTGCCTGGCAGCAACACAGCCATGT
TCCTTAACTCCGCCCCCTAGGCCAAGGGGGTCTCTTAATGGGAACCTCGTGCACATAGG
GGAGCACCCCTGGACCCATAGGCCACAGCAACAATAAAGAGAGCAACAACCTACTACTAAT
ATTCTGCTATGCTACCTATGATTATAAGAGCCAGTGTAGGCCAGAGCCAGAGACACC
CACCATCTCTGCAGGCGGTGCATCAGTAAGGTATTCAATTGCCCTAATCTCCCATGACATG
ACACCCCTGCAAAGCTGCCACTATGTTCTGGTGGTTGTCAGGGATGAATGTACCTN

Sequence 3659

AGGTACGCGGGGCTTGCCTAAACCAGCTTGTCTGGCGCCATTTTGTCTCGGCAGCGGTGG
CCGTAGCTCCATCGCATTTTATGTTTCTGGCGAGAAGGGAACGGAGTTTTTCATCAGGTAG

Table 2

ATTGGTTTTGT

Sequence 3660

ATTGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACTGAGCAAAGGAGACAGGG
TCATTTATAACCTGATGTGTCCACTCTACTGCTGTGTCCAGTTTCCACTGGCTGGAACGG
GCATCCTGTTTTCACTACTATAGCCTTCAAATATAGTTTGGGCCATGCGTGGTGGCTCGC
GCCTGTGATCCCAGCATTTTGGGAGGCCGAGGTGGGTGAATCACGAGGTCACGAATTTGA
GACCAGCCTGGCCAACATGGTGAAACCCCGTCTATGCTAAAAATGAAAAATTGGCTGGG
CTCAGTGGTGGGCGCCTGTGGTCCCAGCTACTCGGGTGGCTGAGGCAGGAGAATTGCTTG
AACCCGGGAGCCAGAGGTTGCAGTGAGCTGAGATCATGCCACTGTACCTGCCCG

Sequence 3661

CCGGGCAGGTACCTTGCAAGGCCCCACACTCTGGCTCTTGTTATCTCTTTGGCCTCAAAT
CCCCTACTCCTTTCTTCTCGCGCAGCTCCGCTAGCCTCAAACCTGCTGTAAGTATGT
ATCTTTAGGGACTATATATTGACAGTCCCTTTGTGTGGGCAACTCAGCTTCTAGATTT
AAGTGTGCTGCCTCACTTCTTTCAAATAACACCCCTCTGTGTGAGGCTGGTTGTGACCCC
ACTGGCATTACAATCCTGCTCCCTTCTCACGGCCTTCCCACTATATTTTCCCTGCTCC
TAAGGATCCTGCAGTCTATTTGGAGAGTGAAAACATATCCTTATGAAAAGGAAAGCAGGA
ATGGAATATTATATGGAATGTCAGATGAGTGAATTCAAGTCAGTATCAGAAAGTGATAGT
TCCTGGCTTGGTGCCAGATGTTGGAGGCCTGTTGGGCCAATGACAGGAATGTAGACTTTT
ATTCTGGACAGCAGAGAAACCCATACAAAATCTCCCCCTCCCCTGCTTTGGGTCTGAAT
TATGTCACAATTTCTAACCATTTCTTTNATGGAACTANTTTTTTGCAGTGAGCCATAA
TTAGACTTCAAATATGNGGTTANTCTTNAATAAAGGGGCCCTAGGATTGAAATNTT
AAA

Sequence 3662

CCGGNCAGGTACGCGGGGACTATGGCAACAAGTATGGCGGCTGCTAGNGGTAGATTTGAA
AGTGCGAAGAGTATCGAAGAGCGGAAAGAACAGACCCGGAATGCCAGGGCCGAGGTGTTG
CGCCAGGCTAAAGCCAATTTGAAAAAGAAGAAAGGCGTAAAGAACTTAAGCGACTTCGG
GGTGAGGATACATGGATGCTACCTGATGTGAATGAGAGAATTGAACAGTTCTCACAGGAA
CACTCTTGTAAGGAAAAAGAAGAAAAAAGACAAGCCATTNAAAAAAGGCAAAGGAAN
AGAAANNGAAAAAAGAGCCNNTATNANNTAAGAAATGAGTAANANNNNNNANATAGGG
TTNCCCTTNGGGCCCGCNTNTNAGGAACTNNGTNGGGGATCCCCCCCCGGGGGCTTGCC
AGGGAAAATTTAGAAATTATCAAAAGNCTTTTATTCTGGATNCCCCGGTGTGCGGGACCC
CTTCAANNNGGGGGGGGGGCCCCCGGGGTNNCCCCCAAGACTTTTTTTGGTTNCCCC

Sequence 3663

CCGGGCAGGTACTTGCAATGGGGCCACCATGTTTTCTCCCATAGCCAGCCCCATTCATC
ATGGATGCTATGAGTCAGCCAGGGGGCAGGCTTGCCATGGGTTTTGTGACACCCCATCC
AAAGCTCACCATGTTGCATCCCGCCCATGTCTGTGGGACCCCAAGTTTCTAGCCATGTC
CAGTTCTTCACAAAAGCTGGATGCACATGCCAAGGCAAGCCATCCACAGCTGCTGCTGGA
AGGGTGGTGAGATCTAACAGTTGGAGACATTGGCCACCTCAGCATAGGTGTGAGCCCAG
TCCACAATGTTGTTGGAGCATGCCAACCTGTGGCCGAGCAAATAACTCCCAAGAAATTTGG
CAGACAATTCCGGCCCTTGGACCTTGATTTATTGATGGCCCAACTGCACACTGCCAAAT
GCTGTCAACAAGAGGGGGCACCACCATTCTAAATCTCATCCTGATGACTACACCAATTATC
AGGTTCAAGCCCCAGCTGAGGTCTGAGGAGAGTGGGTTGATGAGGGGCAGGGAGCTGGAA
GAACACTTGGGAGACAAGCAGGTAGATGAGACACGGCTTTATTGAG

Sequence 3664

GCGGGCCGAGGTACCACGATGTATAGAGCAACACTGGGGTAAAGGTCACTGTGGGATGGT
TACCTGCTGAGACCTGTGCAAACGTAACACATGCCACCATGCCAAGGATGTGGCGGAACA
AGCAGCCCTACCAAGGCTGGGCCCCCATGGACTTTGTGCTGCTGGGAGTTTATAGGTCT
GTGGGGACATAGGATGGCCATATCTGCCAGCCAACTAGACTGGACATTGTACCTGCCCG

Sequence 3665

Table 2

GGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGCTGGCTTTCATGTGAATAC
AAAGGTTACAAAGTCTATATTTTACCATCATTAACTGAATATTATTTCAATAAGAA
TCTTTAGAAATTTAAGAGAAATTTGAGTATTAATAAAATTTATCTAATATACCAATTAGA
ATCTTTTCACATGAGACTACAGAGAAAGATTTGTATTTGTAACAAAAATTAGCTGGGCA
TGGTGGCAGGTGCCTGTAAATCCCAGCTACTTGGGAGGCTGAGGCAGGAGAATCGCTTGAA
CCCCGGAGGCGGAGGTTGCAGTGAGCCGAGATCATGCCATTGCATTTAGCCTGGGCAAC
AAGAGCGAAACTCTGTCTCAAAAAAAAAAANAATANAAAAAAGGTTCT

Sequence 3666

TTTTTTTTTTTTTTTTTTTGGAGTTTAAATGTATTNATTACATAAACAAGTTACACATA
ANAAGAAAATACTNNGAATACAATANACANCACAANGGACNTAGGAAATAATATAATGTC
AGTGAATATATATAAATGTTAATCTCACTAGTTAAAAAAGCACATTGAAANAAT
AGTGGNNGCCAGGNGCANTAACCTNAGGCTGTANTCCAGNACTTTGGGAGGCTGAGGCA
GGTGGATCACAAGGTCAGGAGTTCGAGACTAGCCTGGCCAACATGGTGAAACCCCTTCTN
TACTAAAAATCCAAAAATNGCTGGGCATGGTGGNNGGCACCTGTAATCCCAGCTACTTG
GGAGGCTNAGGCAGGANAATTGNTGAACCCGGGAGACCGAGGTTGCAGGGAGCTGANAT
CACNTCACTGNCTCCAACCTCGGGGACAGGATGAGACTCCATNTNAAAAAAAAAAAAA
NGAATGGTGAATACCGTTNNCCCATNTTATNTANTTTTTT

Sequence 3667

CGCCCGGGCAGGTACTTTACTGTACCCAGCAGACTTTCAACAACCTATTGATCCAAAGAT
ACATGCACAGTCTGAGCACCAGCTATGGTGCTCATAACTTCTTTAAGACTTGAACCCCTT
CAATCTGTGTGATTCAATTAATTTGACCATTGATGATAAGAATACACATTGTATGTTCT
GTGCACATGACAGTGTGTGTGTGTGCACGTACCT

Sequence 3668

GANATTNNGGAGCTCCACCGCGGGTGGGGCGGGCCCGANNGTCCCCAGGGTNGAACCAAN
AGTTTACCCAGAAAAGGCAGTTTGNACAACAAAGGAANAANTAAGGAAGCCTCAGGGAAT
GGAAGGGGGAANAANGNAAATAANGAATTNGAGGAAGGAAATTTTGGTNGCCCCCAAAC
CCATTTTTCTTTNAGAACTTCTTAAAGNAAAAGGNAACACCGGCTCTTCTTCCCAGGG
CCANGGTTCTTTNGAAAAGCNTCAAACCTTCTTCTTTAATTGGCCNCTCNACNTTNCAN
GGGTAATTACCTTCCACCTTTTACCACCAAANTAAGCAAATTTTANTTAAACCTGGGG
AAAAAGGAAAAGGTTTGGGGGGGACCAACCAATTGGTTAATTTTTTGGGGTGGGAAT
TTTACCAATTTTTTTAAAAAACCAACCCATTTTACGNGGGAAAAAAGGTTTTGGCC
TTAATTTTNTTGGGAAAACCTTTTTTTTTNAATTTTGGNAATTTTTTTTTTGGNNGGG
GGGGGGGGGAAGGTTTAAAAAAGGNAANAATTTAATTTTTTTTTTGGGTNNGGGAA
TTGGGGCCCAANAATAAATAAATTTAATTNCCCTTTTTTTAAAAATTTTGGGG
AATTNCCGGGAACCTTTTNGGCCCAAAAAATTTTTTTAAGGAAATTTTTTGGGTG
GGTTNNGCCCAATTTCNAAAGGGGGCCCTTTTTTTCCTTTTTTTTTTTTTTTCCT
TTTTTTTTNTTTTTTAAAGGCAAAAGTAAAAAAGNTTTTNCCAAAAATTAATTAATA
GGNCCCTT

Sequence 3669

CTCCACCGCGGTGTTTGCCGCCCGGGCNTNGTNGTCTTTTTTGTGACTGGCAGGCTGGA
AAATNNNATCTTAAGAATGCTGTGAGGGCCGGGCACGGTGGCTCAGCCTATAATCCAG
CACTTTGGGAGGCTGATATCACAGGCATGAGCCACCATGCCATCTGCAATCCAGTGTG
CAAACAATTCCACACTGAAAATACAGCTCTCAAGATTGAAGGNGTCNTAAGCAGCANAGT
CTTTATTATAATACAAACAAGGGAAATAGGCGGCAGGCAGGCTGTCTGATTTGTGACTGG
CAGGCTGGAAAATCTATCTTAAGAATGCTGTGAGGGCCCGGGCACCGGNGGCTCACGCC
TATAATCCAGCCACTTNGGGAGGCTGANGCANGTNGATCACGAAGGTCANGAGATCGAA
NACCATTCTGGCCAACACAGTAAAA

Sequence 3670

AGGTACGCGGGGAGTCTCGCTCTGTCACCCAGGCTGGAGTGCAGTGGCGCCATCTCGGC

Table 2

TCACTGCAAGCTCTGCCTCCGGTGTTCAGCGATTCTCCTGCCTCAGCCTTCTAAGTAGC
TAGGATTACAGGCGCGCGTCACCACGCTTGGCTAATTTTTGTATTTTAGTAGAGCCGAG
GTTTACCAAGTTGGTCAAGATGGTCTCAAACCTCTGACCTCGTGATCCGCCCGCCTCGG
CCTCCCAAAGTGCCGGGATTACAGGCGTGAGCCACCGCGCC

Sequence 3671

CCGGGCAGGTACGCGGGGACCTAGAGTCAGATGTATTATCCAAAGGCCTGCTTCTGAAGC
CCCTCTTGCTCTCTCTCTGCAGCCTTCTTGAAACACATCCTAAGCGTCTGAGTGTGC
AGATCCAGTGGGGTCCGGACACTGGGCCCCGAGGCGAAAGCACGTTCCAGCCACCAGGA
GGCCACCTATTGTTTCAAATAAAGACTGGGTTCCTCAAAAAAAAAAAAAAGTACCT

Sequence 3672

GGGATTATTTCTGAAGAGNGGTGAGCTAACTTTTCTTTCTTTCTTTTCTTTTCCAAGACGC
GATCTCGCTCTATCACCTAGGCTGTGTGCAGTGGCATGATCTCAACTCACTGGAACCTT
TGCTCCCAAGGTTTAAGCAATCCTCCTGCCTCAGCCTCCCAAGTAGCTGGGATTATAGGC
ACGCAGCACCACGCCCGGCCAATTTTGTAAATTTAGTAGAGATGGGGTTTACCACGTT
GGCCAGGCTGGTCTCGAACTCCTGACCTTGTGATCTACCCGCCCTTGGCCTCCCAAAGTGC
TGGGATTACAGGTGTGAGGCACCGTGCCCCGCCATTTNTTAAGTTACTTAAAAAGTTCA
GGGTCAATTCGATGTCGTTACAAAACAGTCAGTGAAGATTTTGNCTAGATTTGTCTCA
GCTTGTCACCTCTATTNTTACAAAAGCAACCCAATGTTTCAGCATNTTATAATCCATCCT
TCCCGCGTACCTG

Sequence 3673

CCCCGCGGTGGCGGGCCGATNTACGTGTAAAANTAAATGTTTTTTGTAAATCACTGAGTC
TTCTGTNTATTTNTGGTTAGAGATCTTTGGGGGCTTGGATGGAGGAACAGGAAAAGAGG
AGCCAGGCTTTTTTGAAAATTGGCGGCAGCGGTGGCATACGGGAAACTGAAATCTTTAT
CTAATCTCATCCTTTGTATATTCGTCTTGGATTGCTGAAGAAAATTTAAAGGTAAATTT
TGCTGTGAGCTCACTGAACTCAAATGAAAGGGAACATATGCTGTTATTTTGTGAAGG
ACATTAATTGGGTGTGACTGGCAGGGTTGAGACCTGAAGTTCCTCTTTAGATAAGGAAA
ATTTCCCTTGGTGAGAAATCTCTAGACTAGTTATGATAGATTCCTAACCCCCAACCTTGA
AAGGTAACTTAAGGCTCCCTCCTTAAGGGAAGGGCTGAAGAAAAAATTAACAGGCAAC
TGTGCCTATGAAGATTGCGAAAAAAAAAAAAAAAAACCGTCTCT

Sequence 3674

TCACTATAGGGCGAATTGGAGCTCCNCCGCGGTGGCGGGCCCGCCCGGGCAGGTACTTTA
GGAGACCCAGGCCGCGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCTGTCTNNCAT
GGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGCTCACGCCTG
TAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGGAGGTGGAGGT
TGCAGTGAGCCCGAGATCCGCGCCACTGCACTTCCAGCATGGGGCGACAGAGCAAGACTC
CATCTCAAAATTAAGNAAAGAAAGGAAACAAAAGAAAAAGAAAGCTTATATTGGAACCT
TCTTCTAAAAAAAAGAAAAAAAAGAAAGCCTGGATTGCACACAAAATCTTAAATTTG
GCCAAGTCGATCCAATTTAAAGGGATATTTAATTGCCATCACCAAAAATAATTCTTTAC
TTCCCCCAAAAATCAATTAAAAAAGGTTCCAAAATAGCCAANCTTTTCTAATGGTGG
TTTTAAAAATGTTAATTCACCAAAATTACCATTTGTTGTTCCCCAACTTTCTTTTCC
AGGGTTTATTAAATTTCTATTTGGNGGTAAAAGNGGAGGGGTATACCCTTGAAAGTTG
AGGGCCAATTTAGGANGAAGGTTTGAAGCCTTTCAAAACCCTTGCCCTTGGAANAAGANG
CCNTNGNTTNCCTTTTNTTANAAGTTTTTGANGGAAAANTNGGGTTTTGGGGGGGCCN
CCAAANTNCNTCCTCAAAAACCTTTTTTTC

Sequence 3675

CTCACTATAGGGCGAATTGGGAGCTCCACCCGCGGTGGGCGGCCGTGGCCCGTGGCTCAC
GTGGCCCTTAAGTTTCCGGGTCTTNTNAGNGCTGGATGGCATGTAAGAACANNNNATNC
TNTTTANNCCCCNCGTACCTGCCCCGGCGGCCCGCTCTAGAACTA

Sequence 3676

Table 2

CGTTGCGCCTCACTGCCCCGCTTTTCCAAGTCCGGGAAACCCTGTCCGTGCCAAGCCTGC
ATTAATGAAATCGGCCCAACCGCCGCCGGGGGAAGAGGCCGGTTTGGCGTATTGGGGCGC
TTCTTTCCCGCTTCTCGCTCACTGGACTTCGCTTGCCTCGGNTCGTTCCGGCTGCGG
GCGAGCCCGTATCAAGCTTCACTCAAAAGCGGGTAAANTACCGGGTTATTCCACAGGAA
ATCAGGGGGGAATAAACGCCAGGGAAAAGAAACCATGTTGAGCCAAAAAGGCCNGCCA
AAAAGGCCAGGGGAACCCGTAAAAAAGGGCCCGCTTGTGTTGGCCGTTTTTTT

Sequence 3677

CCGGGCAGGTACTGGTCTGTGGCCTGTAGGCACTGGACTGCACAGCAGGAGGTGAGCAG
GGAGCAAGCTAGCACTAGGGCCCAAGCTCCGCTCCTGTCCGATCAGTGGCAGCATTAGA
TACTCATAGGAGCACAGACCCTGTTGTGAAGTGTGCGTGTGAGGGATCTAGGTTTCGTGC
TCCTTACAAGAATCTAATTAATGCCCGATGAGTTGAGGTGGAACAGTTTCTTCCCAAAAC
CGTCTCAGGAAACCTGTCCCTGGTGCCAAAATTTGGGGGACCTCTGACGTAGCACACTAT
CTGGCACATACCAAGCACTCAGAAAATATCCCATTTCTCAAACTCAGTTCCAGTGTCAA
GTCTTAATAAGTATATTGATCTTGAAGTCCAAGGTAGTTGGTCCTCTCTTTGTGCCATA
AATGTGCCTTGACCTT

TT

Sequence 3678

TTTTTTTNAACGCTTATAAGGTAACCTTATAGACTAAGGTAAGCTGGCCGGGTGTGGTGG
TTCATGACTGTAATCCCAGCATCTTGGGAGGCCGAGGGGGATGGATCGCCTGAGGTCAGG
AGTTCGAGACCAGCCTGGCTAATATGGCAAAACCTATCTATACCAAAAAACAAAAAT
TAGTTGGGCATGGTGGCGGACCGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCTTGAG
AATTGCTTGAAGTGGGGAGGACAAGGCTGCAGTGAGCTGAGATCGCACAACTGCCCTCCA
GCCTGGGCAACAGAGCAAGACTCCATCACAAAAANAGAAANAANNAANCGAAAAANAAGG
TCCCTCGGCCGNTCTANAAGTAGNNGGATCCCCGGGCTGCAGGAAATTCNATTTTCAA
GCTTATTTGATTCCGCCNACCTCGAAGGGGGGGG

Sequence 3679

TAGGGCNAATTGGAGCTCCACCCGCGGTGGCGGCCGAGGTACACACAAAGGAACTGATGT
CAAGGCCCTTTNTATGACNNGGGGNCATTCTAGCAANACNNCNNNCNTATTNATCTTGG
GATCTACAGCCACATGAAATACAGACACATCGTTCCCCCAAGTCAGGCCAGTTTTAGGCC
ATTGAGTTATGGGGAATGATTAATGGGATGAATGAAAAACAAATAAAATAAATAAATAA
ATAAATACACTAAAGCCTTATTAGCCAGGCCGTNGATCACATGCCCAACACTCCCCCTCCA
TCCCAGCACTATGCACAGTTCACGGCTCATATGCAAAAGTGGGAAGACACCGTTGGGGAC
AAGGAAGCCAAAGCCACCAAGTNGACACATTGGGTCCCTCTTCTTAAACCACCCTCAAGC
CACACNCAACCCCTNGACGGCCTCCCATTCACCAAGTATGGCTTGGATTCAATTCCTTCCC
ANCGGGACCCCTTTTTTATTAATAAATCCCTCCATTTTACATTTTTCNTAAGTTTTT
TTNGAGGGGGGAAAGGAAGAGGAAAAAGNAANAAAAAGGAAAGGAAAGGTGGGGAAAAAN
GGTGCCGGGAAACCNCNANATGGAGTTATGGGGCCACCAAAAAAAGGG

Sequence 3680

GGACTCCACCGCGGTGGCGGCCGAGGTACGAAACCTCCGTGGTGACGGGGACTGTGGNGC
GGGGNAGGGGGGGGCTCAGNNGAANAAAAATTNTTTTTTTNTTNCNTCCATTGGGCATGA
ATGTGATGGAGCCCGGGATGCAAAATGCTGGCATCAAAGNTGGGGCAGGTGATGTTGGAGG
CGGACCGAGATGAGCTGGTTGTGGATCTTACGCAGCTGAAGAATGTGCAGTTGTTCTTC
GGGGTCGCTCTTGAAGTCCCCGGGCTTCAAGATGGACGNNGCTGGTTTGTCCGGGCCCCGT
TTTGATGATACANATGCCGTCTTGTTCACACTTTNTTTACCAGCCACTTCCNCCGGGG
GGGGTCTTCCCATTTGGAAGTTTTCCGAAAGCCCCAGGGGTCTTGCCANGGAAGNGTNGTT
TTGCCANGGGGCCACCGTTGGGGGGTGCCAAGGGCCGNATTGNACCCGTTTGGAAGTCNA
GGGGGTTGGTNGTGGTTTGCACCCAACCTTTGGNTCCCCGTNGCCAACAACGCCANGATC
CCNTGGGCCANTTTTNGAAGGGAANATTAAGAACTTGGGAAGNAAACCCNGGGGCNTT
GGGGTAACCCNTTGGCCCCCNGGGCCCGGGCCCCGCTTCTTAAGAAAACCTTANTTGGG

Table 2

NANTNCCCCCGGGGGCTTGGCAAGGGAAAATTTCCNTATTANTTCNAAAGGCCTTTAA
TNCGCATTCCCCGTTNCGAACCCCTTNAANGGGGGGGGGGCCCCC

Sequence 3681

CTATANGGCGAATTGNAGCTCCACCCGCGGTGGCGGCCGAGGTACTTCANNTNNTTTTTT
NNNTTNNTTTTNTTGGGNNNTANCNGGNNNGGGTCCGGAGAAANAAAAATTTTTCGC
CTGCTGCCTTCCCTGGATGNGGNAGCCCGTTTNTNANGCTCCCTNTCCCGGAATCGAACC
CTGNTTCCCCGTTAACCCTGTGGTCACCATGGTAGGCACGGCGAACNTACCATTGAAAA
GTTTGATAAGGGGCGNANAACGTTTTCGAAATGGGGTNAANCCCCCNCCCANGGGGGCCCC
NGCNTTTACNTTTGCCCCGGGNCGGGCCCGCTTNTTANAAACCTTAGNNGGGNATACC
CCCCCNNGNGGCCTTGCNANNGGAAATTTCTNATNTTTNCAAAGCCTTTATTTCTNTAT
TAACCCCGTNCCTGAACCTTNTCTNAANGGGGGGGG

Sequence 3682

NCTCACCGCGGTGGCGGCCGAGGTACGCGGGGTGGCTGGCGACGACCCATTGAACTG
NGCNGNAGNGAGCTTTCGAANNNAAAAAATCTTTCNTACNATGGNGACCACGGGTGACGG
GGAATCAGGGTTCGATTCCGGAGAGGGAGCCTGANGAAACGGCTACCACATCCAAGGAAG
GCAGCAGGCCGCGCAAATTACCACTCCCGACCCGGGGGAGGTAGTTGACGACAAAAANA
NAAAAANAAAAAGAACANGTTACCTTGCCCCGGNGCCGGCCCGCTCNTAAGAACTAGGT
TGGNATCNCCNCCGGGNCCTGGCAANNGAAATTCGGAATTTTCNAAGCCTTTATCCGANT
TCCCGTCNGNACCCCTTNAAGNGGGGGGGGGCNCNCGGTNACCCCCAAGNCTTTTTTT
GGTNTTCCCCCTTTCTAGNTNGNAAGGGGGGNTTTAAAT

Sequence 3683

AGGTACTCAGGAGGCTGAGAACACAGGCCCTTCTNTNNGANNGGNGTGTATGCANGN
AANANNTANTNNTNTTNTGTTTGGCTNGTGCCACAACAAACAGCCCCAACAGATTGC
CATGAGCATGCTAGCCTGGCTTGGTGTTGACGATAAAATCAGACTGGTAAGTGCACTCA
GTGTTCAAGAAAGAATCTCCAGGCTCTTCTCCCATGACCTGGTTTTTAAATCAGCATT
ATACAGCCTGCTTTACCCATCTTCTCTGTCTCTGCAGATGAACNCCGGNTCCTAGGCAA
GGGGACCAAAAAATCCTTGTNCAGCCTGGAGGGAAGGTCTTGAAAGAAACATTCCTG
GAAGGATTGATGACCTGCCACNTGCTCAATTGTTGGGGCCAGNAATGCCAGCTTCCAT
TCNTACCTTGANGGGCTTNAAGGGGGGAAAAACCTTTTACAACCACCGTTGGANGGAA
AGGGCNGCCAAATCNTTTTGTGGGGAAAGGGGTTCAACCTTANGAAATNGGGGCNAGG
NGGGCCAGCCNAAAAATAAGGGGGGGCTTNCCAAANTGCCANCAGGTTTNTTGGCCAAGG
TTTAAACCTTGGGGG

Sequence 3684

TCNCCCCGGTGGCGGCCCGAGGTACGCGGGATTCCCAGCAGTTTGAGAGGCCGAGGTGGG
CGGNNGGGGNTCNCAAGGNANNAATTTNTTNCATNCTGGCTACTACAGNGAAACCCTG
TCTCTACTAAAAATACAAAAAAATTANCTGGGCATGGTGGCAGGCACCTGTAGTCCA
GCTACTCAGGAGGCTGAGGCAGGAGAAATGGCATGAACCTGGGAGGCAGAGCTTGCACTGA
GCCAAGATCACGCCAACTGCACTCCAGCCTGGGGGGACAGNAGCCAAGGACTTGTTNACA
ATAGTAAAAAATAATACNAAANNAAAAAAAGTTACCCTGCCCGGGGGCCGGCNCGC
TCTTANNAACCTAGGTGGGATCCCCCCCCGGGGCCTGCCAGGGAATTTCCNATATNCAA
GGCTTTATTGGATTACCGGTCCNACCCTTCNAGNGGGGGGGGGCCCCGGGTACCCCAA
GCCTTTTNGTTNCCCTTTTAAGT

Sequence 3685

CCCNATTTGGAAAAATCCGGAGCTCCACCGCGGTTGCCGCCGAGTTTTCCCACANTTTT
TCGCCGAGCCGCANACTCACNGNGCGGGNTTTTACCACCCAANNANNNNCCNNNCGTAC
CT

Sequence 3686

AAACCTGAAAGAATTGACCAAAAAATACTCCTGAAATGAATAAGCAATTACAGTAAAGTTG
CAGGATATAAGGTAAATATATAAAAAGCAATTGCTGTTCTACATACCAGCAATGAACAGT

Table 2

AGAATTTGAAATTGGAAACACAATACTATTTGTATTAGCACCCCCAAATACTTAGGTATA
AATCTAACAAAATATGCGCAAGGTCTGTATGAGGAAACTACAGTAATCTCATGAATGAA
ATCAAAGAATTAATAAATGGGGGATATTCTATGTTTCATGGATAGGAAGATTCCATACTG
TCAAGATGTCAGTTCTTCCACCTTCATCTATAGACTTTTTTTCTTAGATGGAGTCTCG
CTCTTTCACCCAAGCTGGAGTGCAATGGCGCCATCTCAGCTTNACTGCAAACCTCCCCCT
NCCCCGGTTTCAAGGGGATTCTCGGGCTTCTCAGGGTGGCTTGAANACAAGGGAGGAATT
CGCTTGGACCTNNGGAGGCACAAGGTTGTTAGTGGAGCCGATTAAATTATTNAAAAAGTT
TTTANGAGTTCCTTGCCCCGGGGCAGCCNGCTCTTAAGAACTNNGGGGAATCCCCCG
GGCCTGCAANGGAATTCGANTTTCNAAGGCCTTTTTCGGANTNCCCGGCCNAACCTTN
GAAGGGGGG

Sequence 3687

NCTCCACCGCGGTGGCGGCCGAGGTACCATCAAGATGGNTTATAGTTTAAGTCAGTCTCCN
AAGTNTTATGAAACACCCACTCGGTTTTAGTAAGNAGTGGNGAACTCGGTGTTTAGCC
TCTTCCCNAGAACTTANCGGNAGGTTCCGTATTAAGCTGCAGTGTGCAGTGTGGATGGA
GCCCTGCT

Sequence 3688

AGGTACCTTTTCTGCAGCTGCGCGGTATGTCTGANTGACTAAGGGGCAGTCGTGAGAGG
CAGAGTCCAAGATCTCATTGGTCGTTTCCAGACTGCCGTCCAGCCGGTGTGATTNATCA
GGGCACACTCCCCGCGTACCTGCCCC

Sequence 3689

CGCGGTGGCGGCCCGCCCCGGGCAGGTACTTTTTNATTTTTNATNTATNNTTTTTGCGCGT
NTGCTGCCCTTCTTGGATGCNGTAGCCGTTTNTCANGCTCCCTNTNCGGAATCGAACCTT
GATCCCCNTCACCCTGGTCACCATGGTAGGCACGGCGANTACCATCGAAAGTTGATAG
GGCANACTTTCGAATGGNTCGTNAGNCGCCCCCGANGTACCTCTGCCCGCNTTAAANT
ANNTGGNATNCCCCCGGGCTGCANNGAAATTCNATAATNAAAGCTTTATTNNATAACC
CGNNCAAACCTTNNAGGGGGGGG

Sequence 3690

ACTTTGTGTAGAGATGGGGTTTACCATGTTGCCAGGCTGGTCTCGAACTCCTGGGGCTC
AAGCAATCCGCCACCTTGGCCTCCCAAAGTGCTGAGATTTGTATTGCCTCCTATAACAG
CCTNCTATGGTAAGATATCTGCCAGAGTCACAAGCCCTCCCAGGGTTACGGNCACTCT
CTCAGCTGGGGGAGTGCCAAAGCCACACCGTGAGAGCAACACTGGATGGCAGACATCGCT
GTGGCCAGCTTAGGGAATTACAGTCCAGACATGCTGACTGNCAAGGGAATGGGCC

Sequence 3691

AGGTACCATAGACCCCCTCCCATACTATGGGGACTCCCAGGCACTCCACAAGAGCTAGGT
GAAATTGAGTTAAATGACAGCTATAGACCATAGGAAAAATTGCTCAAACAATTTAGCC
TGGGTAAATGAGAGGTGCCCCATTAGCTTATTCTACCCAGTTACCCCTTCTCTCCAGGT
GATCAAGTGTGGATCAAGGATTGGAATGTAGTCCCCTTGTGACCACGGTGGAAAGACCCC
AGACCGTCATCTTGACCACCCCCACAGCTGTAAAGGTTGAAGGAATCCAAGCCTGGATCC
ACCACAGCCATGTGAAACCTGCAGCCTCTGAGACCTGGAAGGTGAGACCAAGCCCAGACA
ACCCCTGCAAAGTGACTCTGAGAAGGACGACAAGCCCTGCTGCAGTCCACCCAGAAGCTG
ACTCATCTATGCACAGCCAAAGCATGAGGAACTCATCGTGGGACTTATTCTCCTTAAAA
TTTGGACTTATGTAATAAGGACTTCCACTGATTTTCCCCACATGGAGGACTTGTCCCAA
TGTATTCATCAGGTCACTGAGTAGGGGCAACAAGTTTAAACAGGTTTCT

Sequence 3692

AGAGTGTCTCCCTGTGTTGCTCAGGCTGGAGTGCAGTGGTGTGATCTCGGCTCACTGTAA
CCTTCACCTACTGGGTTCAAGTAACTCCCCTGCCTCAGCCTCCCGAGTAGCTTGGACTAC
AGGCGTGCACCACACACCTGGCTAACTTTTGTATTTTGTAGTANANACGGGGTTTTGCC
ATGTTGCCCGGGCTGGTCTCGAACTCCTGACCTTAAATGAGCCTCCTGCCTCAGCCTCCC
AAACTGCTGGGATTACAGGCACGCGCCACCGNGCCCGGCCCGCGTACCTGCCCC

Table 2

Sequence 3693

AGGTACATCAGGGCAGTTTCTANGGCCAATCTCTCTTCTTGACCTTCTTGGAATTTG
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CCAATGTGGGTGGCATCCACATTTTCCACCACATGAGTGCCATCTTCTTANCTGTAATG
TAAATGAGGTCGCTGTTGACCTCTGCAAAAACAAAAGGTGCATCAAATTGGAAGCAAGAC
ATGGCCCGTGCTTGATGGCTTGGAACCGAGGGCGGGGCCACACCCGATACATGGCCAT
NCGCTTATTTTCTGGGGNNGGGTGCTGTCCACAAGCTTGCCAGCCTCCAAAAATCNC
AACCAGGGAAAGGGTCAAGGGCCCTTTGTATCCCATGCTTTTCATTTCCAAGCCAGGTG
GGTAAGTTTCCACACCTNGAATNCCTTTGGGTGAAGGTTTNGGAAATTTCAACGTTTNC
CAATTCCTTTCTTCCAGGGAAAANNATTGTCCCATTTTGGCAAAAATTTGGGGCANTCA
AATTTATTCAATTGGGGGCCATGAANGAAAAATAAATTTTNGGTTAAACAAAATTTCTT
TT

Sequence 3694

CCGGGCAGGTACGCTGGATCCCAATTCACCGGGACTTCATTTGACTCCTTTCTCATCC
GCATGCAGGAGGAGGAGAAGAACCCCAACACGGAGTTCTACTTGAAAAACCTGGTTGATG
ACCACGTTGAACCTCTTNATTGGGGCACCNAGACCGTNAGCACCACCCTGCCGCTTATG
GNCTTCNTTGCTTGCTCAATGAAAGC

Sequence 3695

GGCGCGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGGCCAAGGCGGGCAGATCACC
TGAGGTCAAGGAGTTTGAGACCAGCCTGGCCAACATGGCGAAACCCCATCTCTACTAAAAA
AAAAAAAAAAAAAAAAAAAAAGTACCT

Sequence 3696

CCGGGCAGGTACTTAAGCCAATTTCTTTGAATAATTTTTTTTTTACATTTTATTTTAA
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AGGCAGGCGCATCACTTGAGGTCAAGGAGTTTGAGACCAGCCTGGCCAACATGGTGAAGAC
CTGTCTCTACTAAAGATACAAAAAAAAAAAAAATTAGCTGGGCATGGTGGTGCATGCCTG
TGGTCTGAGCTGCTCGGGAGGCTGAGGCAGGAGAATCGCTTGAACCCGGGACCCGGGAGG
TGGAGGTTGACGTGAGCCGATATCGNGTCATTGCACCCAGCCTGGGCGACAGGGCGAGA
CTCCGTCTCAAAAAAAAAAAAAACAGAGAGACAGTCTTGGTATGTTGCCCTGTCTCCAAC
TCCTNGGGCTCAACTGATTNTCCTACTTNANCCCTGGNAGTANCTGGGACTNCAGGCAC
ACACCCACCTTNGCNTGGCTNTTTAAANCTTAANTTTTNTTTTNGGCCCTTTGTAGTTT
TCCACATTTCCANTTCCTTCACATTTTATTTCTCCNTTTNCCCCCCT

Sequence 3697

CCGGGCAGGTACGCGGGAGAGGAGTAGCTTTGCCATCAGTCACTTTACAAACCATTT
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GTGGTGGTTTTTCTTCTTTCCCTTTTTAAAGACNCATGACCAAGACAACCTAGGGAGTT
TGCTTGCTTGCTTTGACTATTTCTTAATCTAACCATGCTCTCGAGGGCTGAGCAGAG
ACTAGACTCAAGGCACAGGTTTCTGGTGATGGAGTAAAGTTACAGCGGTATCTCATGTCT
ACACAAGAAGAGGAACCGTTCTGAAAGCTCCAACAATCTTGAGGGGGATGGACCAATA
CAGCTTTGGGCTCAGGATTCCTAGCCTCCTCTGCCCATCGCGTGCACTGATTGGAGGAG
TCTNGCCCAAACACTCTCATATGAACCTCGACATGCTGGAGTGGGGTCTGGCANGAGCTG
ATGACAGTTTTGAGGGACTTTGAGTGTCCCTAGCCTGGCCAGTTGGCTCCCGGAAGCACT
ANACACTGACACTTCATTGNTAGACCCTT

Sequence 3698

CCGGGCAGGTACTAGATAAACATGCATGTAACGCAGGACCCATGTTCACTGAGAGGTGAG
ATTTACATTTACATGTAAGACAATTAGGCCCTATATGGCCAAAGGTGAGGCGCGGCCCCG
GGAGTCACTCCAGTCACATCCTCCATAGACCAGCAGAACCAAGTCCGTGGCCAGTGGTGTC
TTATCAGGAGGAAGTTATGGAAAGTGACGCTGTAGTTATGGCCGTGAAATGGGGGGTCA
TLAGTGCTGGCAGCGAGCCATCACTGTTTCCATACCGCTTGCTCAGGCCAGTGCCTGC

Table 2

TTAACTGCTAGAGGAAAAGAAAACCCAAGCCTTATTCTTTAACTGTAAGGGTGTGTGACT
TAACCCCGGCGCTGGCACGGCCTTAGGTCCTGATTATAACTCGGCGTCTTATTGCCGCAGA
GTCTGTCAAGTCTCGTGATCTCCACTTTAACACTTAATGTTGGGTCAGNTTGTGTCTAAA
NTGAAAAAGGGGNTGGCAGNATAACCAGGTGTGTCCAAACCTTCCATCNTTTTATGGCCC
GGAAACTCAATTTTTTAAGG

Sequence 3699

TCCACCGCNGTGGCGGCCGCCCGGGCAGGTNCGCGGGGTTTAGAAATGAAACAGTTAACA
CAATCATAAATGTAGAAGATCATGCTGATATTTTGAATAACATTCAAACCAAGTNCCC
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AAAAGCNGAGCCTTTTCTNTNAGTTCCTCATGCCAAAACCTTGCCGNCNGCCCTTGACTC
TTTTNTTCTCTACATANACAGGCCAGACTCATCCTTGACATCCTGTTTCATTGTAACC
TCTTAANGATATATCCAGGCATTCAACCANNTTCTTTACCACGCTNGCACTGCTGCTTTC
TTATGGNTGCAAGCNCACAGTTACCTCTCACCGGGACCANTGGGCAATTANGCCTTCTCT
NTNCTTCCCTGGCTTNNCCATTTTTCCACCCCTTGGCNCCTCACTTACCAAAAACCTNT
TTTTCTTCCACAACCAAGCAANNACACCCAGNNGGGGAAATTCCTTTTTTA

Sequence 3700

NCCGGNCANGTACAGGTGTCCAAAATGCGCTGACTCAGCTTACCAGCCCATCTCNNGA
TCTCATTGCCAAAATGTCTCTTCGGTCATGAATGAGGATCCAGCCCAAGGCTTATAGAC
CTTTGAACCANCCAGCGCTTGGCCAGCCCTCCNCANGNACNTGATGGNGACNTNTTGTG
CTAGAAAGGTGGCGANTGGTTCATATTTGCNANCCCGNAAACACCATGTCTCCATGAGAA
TCTNATCAGCTAANATGGGGGGACCACTGTTCTGTCANCCAACCTTGCTCAGGGAATN
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TGGATTGGGATTTATTTGGACAAAANTGNANGGANCAAGGCTTGNCNTTTNTNCATTN
ANATTTANGNATAATTTCCCAAGCTTGGTTTTTCAAGGGNTTCAAATTTTTTCCCNCAA
AAGGANTTTNTTCTNTTTNGGCNNAANCAAAAAATTTTGGTTATGGAAGTTTTTGAAC
NCNTTCAAATTTNCCCCAATNAAGGAACCTTCAANTCNCNAGGNANNTTCTTTTGGTT
AGGAAGGAAGNAAGGAAAAACCAANGNGTCTTTTGGGNAAANCCANGGTAAATTGNT
TTTTTNGCNCCCTTGGG

Sequence 3701

CTCCACCGCNGTGGCGGCCGCCCGGNCAGGTACCTGTGGTCTCAGCTNCTCGGGAGGCAT
GAAGTGGGGAGGATCGCTTGAGCCCAGGTGGTCGAGGCTGCAGTGAGCTGTGTTTATACC
ACCACACTCCAGCCTGGGCCGCANAGTGAGACTTTGTCCAAAACAACAACAACAACA
ACAACAACAACAACTGTAGCTTCCATTTTGGGTGTNCTCTATTGCTCTGTCTTGATCAT
TCACTCTGGGNAGNAAGCCAGCTGCCAAAGGCATTTCTTCANCGAGGCCACCATGTAA
TGGTAAACAGGGCACCATGANTTGAGCTTGGGGAAGCCTNATCCTTTCCTAGGTTGAGCN
CTTTGATNACCTGCAAGNCTGNTGGCTTGGACACAANCAAGTGAGCGTTTTTTTGAAG
GATCCCTAAAACCATAACTTAAACCCAGCTTAAAGTCTTTCANATAACTTGTTCTTGC
CAGAAAACCTATGGAGGATAAATTANAATGGTTCATTTGTTTTTAAGCCTACTGAAGTG
TTTGGGGGTTTATTTTGGTTTGNACCCTTNGGGGCCCGCTCCTTAGGAAACNTAAGTGG
GAATCCCCCCCCGGNGCCTTGGAANGGAAATTTTCGGNATTATTCANAGGCCTTATTT
CGAATTACCCCGTTCGGAACCTTCGTAANGGGGGGGG

Sequence 3702

AGGTACAGTTGGCCCAAATGAAGAGCAGGCAGTAGTAGAGGATTAAGGGCAAAGTGCCT
TGTTGTTAGGCCTGTATGAAGATGTGGGTGAGATCTGTCTTGGGCAACAACGTATATT
AAGCTGAGGTCTGCAGTCTCAACTTGCCACTAGCTTAATGTGCCTCCCATGGGGCACAGC
TACTGAAAGCTGATGCTGCCAAGCATTTAGGGAGATAATTATGCCACTTGACCACACT
GGTGCACTCTAACCCAGGGCTGGGGCCAGAATGAGGTAAAGGAGGCACCACGGGGGTA
AACCAAGGAAGCACTCTCTTGGCACCTGCAAGCAAGCACCAACTTAAATGTATGCCCA
GGTGCTCATTTGTCTACCCTAGCCCTGGCCCTGCTAATCCGGGGCACACCCCTTTAG

Table 2

GATAACACGGACTAATTTGGACACTTTCCCCAAACCGTATCCCAGTTAGACATGATGGTG
GAAAAGGTCTAACTAAAGACATTGCANGGGAGATGGGCGCGGTGGCTCACGCCTGTAATC
CCAGCACTCTGGGAGGCCCG

Sequence 3703

CCGGCAGGTACNCGGGCGGGAAGGCTGAGACAAAAGAGAATTCATTCTGCTGTAAAGAC
AAGCAGGAGGGTTCGACATGGACTGAAATCACCTCTGCAGCTGGGAGGGCTCTTCTGGGC
GTCCGGGCAGCTGCAGCTGAGAGGACTTTCACACCATAAGGAGATTTCTGTTTTCTTTT
TGGCTGTTAATGCTTGTCTATAACATTTGGTAGCCATTCACCAAGGAATGTTCAATTTGG
GAATGGAAGGCTTGCAAGGGCACTNNGTTGGCAGTACGTTCTTTTATAAGGCCAGTTCAC
CCATGTTTGTCAAACCTTTANATAATGGCACCTTATGTTATTTAGGTCACCAATTAA
NAATCNAGTAACNTGAAAGATNANTAAATNATAAANANAANNGNNGAANTAAAGTGTC
CCCTTCGGGCCGGNTCTANGAANCTTANNTGGGAATCCCCCGGGGCCTTGCAANGGAA
TTCCNATNATCAAGGNCCTTATTTTCNGATAACCCGTTTCGGACCNCCTTNAGGGGGG
GGGGGGCCC

Sequence 3704

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTAAGCCAAT
TTCTTTGAATAATTTTTTTTTTTTACATTTTATTTTAAAAATGAGACAGAGGCTGGGC
GCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCAGGCGCATCACTTGA
GGTCAGGAGTTTGAGACCAGCCTGGCCGGCATGGTGAAGGCCCTGTCTACTAAAGATAC
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CCTGGAGTGGCTGGGACTGCAGGCACACACCACCTTGCCTGGCTATTTAAGCTAATTTCT
TTTGGCACTCTGTAGCCTCCACATTCAGTTCCTCACATTTATTTTACCTATAATTTCTT
CTACCAATTCTCCTGTATTTCTCCTTTTCTTTGCTTCTCCTGTTCTGTGGTGTCTTC
CTTTGTCTCTCTTGCCTCCTCTTGCCTCCCCTATCTTTTTTTCTTTTAGGTTGGGTTT
CCTTTTTTCCCTTTAGGTTTTCCCTTAGGTCTTCATGGGCGTTGCTTTCCTCACTAACA
GTTAACATAAAGACGTATTT

Sequence 3705

AGGTACTTTTTTTTTTTTTTTTTTTTGGAGACGGAGTCTCTCTCTGTTGCCCGGGCT
GTAGTGCAGTGGCACGACCTTGGCTCACTGCAACCTCCGCCTCCCAGGTTACGCCATTC
TCCTGCCTTAGCCTCCAGAGTAGCTGGGACTACAGGCGCTGCCACCACGCCTGGCTAAT
TTTTTTGTATTTTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCAATCTC
CTGACCTTGTGATCTGCCATCTCGGCCTCCCAAAATGCTGGGGTTACAGGCGTGAGCCA
CCGTGCCAGCCCCAANATACTGGGCTTTTACAGGGGAATGGCCACATCGAGGGTCAAGA
AAATTACTGTAAGTGGTAGGATTTGGCTTATGATAATGTGTGTATGTGCATATACCCA
AGCTCACAATACACATGCCATTTATCTTGTAGAATTAGAAAAATGACATGTTTTCTGAA
AATGAGGGAAATAAATGATCAACGGGGTAGGAAGAGTGGTGGAAATATTGTAACAGATTT
GATCACAGTCAAGTGTNTTTTTTTTCCAGTCCA

Sequence 3706

AGGCTGGAGTGCAATGGTGCACCTCTCAGCTCATTACAACCTCCGCCTCAACGGTTCAAGC
AATTNTNCTGCCTCAGCCTCCAAAGNANCTGGGATTACAGGTGCCTGCCACCACNCCTAG
TAATTTTTTTGTATTTTANAANAGACTGGGTTTTGCCATGTTGGCCAGGCTGGTCTCAA
ACTCCTGACCTCAGGCAATCCACCTGCCTTGGCCACCCAAAGTGCTGGGATTCCAGGTGT
GATCCCCTGCACCTGGCCACCAACATATTCTCATTTGGTATTNAAAAATTGTCNTAA
NAANAAGTNTGTTTCATAAAGCACGNTACACTGTATATNTAGGATGACATCCTTCACCA
AACCTAGTACCTGCCCGGGNGCCGCTTTAGAACTAGTGGACCCCCGGG

Sequence 3707

GACAGAGTCTCGCTNTGTACCCAGGCTGGAGTGCAGTGGCATGATCTCGCCTCACTGCA
AGCTNTGCCTCCCAGGTTTCATGCCATTTCTCCTGCCTCACCTCCCAAGTAGCTGGGACTA
CAGGCGCCCGCCACCACGCCCGGNTAATTTTTTTGTATTTTGTAGTAGAGACGGGGTTTTGC

Table 2

CACGTTAGCCATGATGGTCTCAATCTCCTGACCTCATGATCCGCCCACCTNAGCCTCCCA
AAGTGCTGGGATTACAGGCGTGAGCCACCGTGCCCGGCTTAGAACCTCATGCATCTTAT
TAAGAGATGCATTTTCAATAACATTTTATATTTAAAAGTNTTTTCAAATGCTTAACAT
ATTTGTTTAACTGACTGTATACTAGAAATAAAATGTNGAATAAAATTTAATACCCAGA
GACTTACAAACATNTNTGTTCTACCCCATGAACAATAAGACATTACATTTACTATCTT
ATATTTTGCTGCTTTTTTCCATTTAACATAGCATGGGNGNATCTTTTCCAGGNCAAGAAT
ANCATAAAAGGNTTTTCTCATTTTAAAGANGCCTTTTNTTCCCGGGCGTACCCCTTNGG
GNCCGTTTTANNAANTNAGGGGGNTNCCCCCGGGCNTTGGGGGAANTTCGNTATCAAA
GCTTTNTNGGATTCCCCGTTNACCNNNNANGGGGGGGGCC

Sequence 3708

AGGTACAATTCATCCAGAGACAAATTCCTCTTCAGCTGTGAGCCTATGAAATTATACAGT
TATATGCTTCCAAAAGACAATAGTGGGACAAACAGGATAGATATTCCTACTCCAAAATGG
GGCAACAGGAAAGAACAAAGGGCTAACAGGTTCTAACCAAATCCAAACACCTCAGATAAA
CAACAAAAAACTCAGTAGGGCAAACATTAAACCCTGAAGCTTGGGTGTAGTCTTTTACTC
CCATTTCTCATTTTCTGGACACACTGGGGTGGAAAGTTGGACCCCCAAGGCTCCAGGCAAC
CCTACTTCATCACATTGCTGGCTGCATTTCTTGTGTGTTGGAGTTGCATGCCTTTGGGTC
TCCCAGCCTGGAGTTGCACCCTGGTGGCTCTACTGGTCTGGGGTCTTGGGATGGCCCTGC
CTGGGCAACTCCACTAGGAATTGCCCTGATGGTGACTCTCTGCATTGGCCTCACTCCCAC
GGCTGTGGATATTATTAGATACCTTACTCATTGTTAAAAACAGGAATAATATTTCCAA
TGAGCATATCGCGAGACAAATACTTTATATATTCTGGGNCTTTCAATCCTTCANGTAAGT
ATAATTTTCATTTACAGAGGAAGAAACCAAAAGCTCAAAGAGGCAAGTAAATTAATC

Sequence 3709

AGGTACCCGTCTAGCAGCTGATGTGGGTAAAGCTGGAGCTGAAAGGGAATCCGAGGCCT
CGGTGACTGCCTGGTTAAGATCTACAAATCTGATGGGATTAAGGGCCTGTACCCAACAGA
GGTGGCATCAGCAGCAGGGCGGCGCCAGGAGGGGCAGCAGCCTCACGCGGGAGCTCTCC
ATCGTTCTGAAACTCGTCGTTCCCGCGTACCTGCCCG

Sequence 3710

AATNTGGGGGNAAGGCCCTTCCCCAACCCCCGGCCCCGGGGTTNGGGGNCCGGGGGCCCC
CGGAAAGGGGNTTAACCCGNGGAAATTGNCCTTAACCTTTTNGGTTCCCCCAAATTTGGN
AATTGGGGGGTTAAAAAAAAGGGGGGGGTTAAAGGCCCTTTTAACTTGGGGGTTTTT
GGTNCNCTTCCCCGGAATTTTTCCAAGGGGTTNTTAAGGAAAANTNGGAAAGNNGGAAG
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AAATNTGGGGGCTTTAAAGGTTGGGGGGGGCCCGGAAAAAATTAATTTTAAATTGGG
CCTNTTTTGGTCTTGGGTATTNTNGGGGAAATTANTTAATTTGGGGGNAAGNNGGGAATT
GGGGGGGGGGAATTTTAAATTTTGGCCCTTAAGGGGGAATTTNGCAAGNNGGAATTTGG
GGGGAATTAAGGGTTAAAAATTAAGGGGGGGGGGCCCAAAAGGGGGGNAACCCGGGCC
CCTTCCCCCTTAAAGGNTTTTTTGGGTTTTTAAAGGGGGGGGGAACCCGGGGGAAT
TTCCCGGGGGGAAAGNAAAAATTTTTGGGTTGGGTTTAAAGNNGGCCCCGNAAAAAA
TTTAAGGGGGGNAAAAAAATTTAAATTTCCCAAATTTTTCCCGGGGGGGGCCCTTTT
TTGGGGAATTTGGTTTTGGGGGGGGGGGAAAGGGGGGGGGCGGTTTGGGTNTTTTTT
TAAAAAGGGGGGGGGGGGGTTTTTTGGGGGGNCCCTTNAANGGGGGGGGNTTANATTTA
ANAAATTTTGGGGGGTNCNNTTGGGGGGGGGTTCCCGGNCNCCCTTTAAAGGGGGGA
AAAGGGGGGTTNCCTTTTGGNGGTTGGGNAAAGNNAATAAANGTTNGGNTTTTTAA
AAAAATTTGGGGTCCCCAATTNTTAAAAAGG

Sequence 3711

GGCGGNCGCCCGGGCAGGTNCATACTTTTGACAGGCACTGAGTGGCACTGTGCCCTGCCA
CTGTTGCACCAGCAATATTCACCCGGTTGCTTCTGAGCACAGGGCGCAGCCATGACTGA
TGTTGCTGGTATATCATCTGCGTTTTTTCATCTCTGCAGATCACTATGAGAAAAGACAGG
CCAGCCTCATCAGAGTATGACTCAAAATGAAATGCCTCACTACCCCTGCACCTACTGAGA

Table 2

AAACTCCCTCACTTGCTTTCTATAGACTCCATTGCATACTCCCTTATTGAAGAGACACAA
CTGGAAGACAACAAGATAATGAATACTGGCCAAACACGGTGACTGATGCTGGTAATCCCA
GCACTTTGGGTGGCCGAGGTGGGTGAATCACCTGAGCTCAGGAGTTCGAGACCAGCCTGG
CCAACATGGTGAAACCCCATCTTCTACCAAAAATACAAAATGAGCCAGGCATGGTGGCA
GGTGCCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGTATTGCTTGAACCCAGGAA

A

Sequence 3712

GGTGCAGTGGCTCATGCCTGTAATCCCAGGACTTTGGGAGGCCAAGGCGGGCGGATCACG
AGGTCAGATCGAGACCATCCTGCCAACACGGTGAAACCGTCTNTACAAAAA
AAAAAAAAAAAAAGTNCCTN

Sequence 3713

CCGCGAGTCGGCGGGNGCCGCGCCCNNGGCGATGTGCTTACCGCCGGGNAGCNAGTCTA
TNCTCCTTCTGACNAAGGGGTGCCATNTAACCTTATTAAGGNTGATTACCTNGGCCTGC
CCCTTATTGGTTGGACCGACCAAAATGCCAGACACAAACCTTTTCGTTACCTGGGGGG
GACCTTTTCTTAACCACNCAAACCANGCAAACCTTGGNTNGTCNANAGAGTATTGNCCAA
GACNCCGCTNCNGGATNTAGGAATTGGTATCAATATCCCGGCGNGGGAAAATTTAAAGG
GGGCNATTANATTGGCCCCCCTTGNAAATTGGAATAGNCCTTTGGCCCTNNGGTTAANAA
TANCCCCGCCCCCAATNCCCAAAAAAANAANANCCNAAAANCCCCGGGGGGTTNTNTG
TTAAATTTAAACCNATAATTTTNGGGGAAAAAAATTTNNCCCCNTTAAAAANAAGGGG
GGGTGNAAGGGAATAATTTAAAAANNTTGGGGGGGNAAGGACCCCCCCTTGGG
NTNCCCTTTGGGGTGGTTATTGGGGCCCCCAACCNAAACCGCCCCCAAGGGGGGTTG
GGGNAANTNTNTNCTCCTTGAANAAAAAGNAAAAAACCCTTTTGGGG
GGGGCCCTTGGGGGGGAAAAATTTTTTNCCTTNGGGCCNTCGGNTNGGGGGGGCCCC
CCTTTAATTTA

Sequence 3714

GGGGGAAAGGCCCTTCCCCAACCCCGNCCGGGGTTGGGGGCCCGGNGNCCCCGGCCN
CCCCGGGGGGGCCCAAGGGGTTAACCCCGNCCCGGGGGGGGGNAAAAATTTTNGGGGCC
CCGGAAGGGGGAAGGGAAGNCCCGGCCCGAAAGGGGGGGCCTTTAACCCGNAAAG
GCCCCGGTTCCTTTCCCTTGGAAAAAGNGAAATTGGCCCAAAAAAACCCTTAAGGCC
CCGTTTGGGGGCCGGGGGCCCCCCCGCCTTTCCTTAAAGGAAAAACCTTAAGGTTGGGG
GGAAATCCCCCCCCCGGGGGGGGCCCTTTGGGCCCAAGGGGGAATAATTTTCCGGG
AATTTAATTTCAAAAAGGCCCTTTTAAATTTCCGGGAATTAACCCCGGTTNCCGGA
AACCCCTTCCGGGAAGGGGGGGGGGGGGGGGGGGGGCCCCCGGGGTTTAAACCCCCC
AAAAGGCCTTTTTTTTTTGGGTNTTCCCCCTTTTTTTTAAAGGTTGGGAAGGGG
GGGGGGTTTTTNAATAATTTTGGGCCCGNCCCGGCCCTTTTTTGGGGGGCCCGGTTA
AAAAATTTCCAAATTTGGGGGTTTCCAAATTAAGGGCCCTTTGGGTTTTTTTCCCCC
CTTTTGGGTTGGGGTTNGGGAAAAAATTTTGGGTTTTTAAATTTTCCCCCGGG
CCTTTTCCAAACCCAAAAAATTTTTCCCCCAANCCAAACCCCAAAAAACCCAAAT
TAAACCCCGGGAAGGCCCCCGGGGGGGGAAAGGGNCCCAAAATTTTAAAAA
AGGGGTTNGGTTTNAAGGGNCCCCCTTNGGGGGGGGGGGGGGTTTGGGGC
CCCCCTTAAAAAATTTGGGGAAGGNTTGGGGAAGGGCCCTTAAAAAAC
CTTTTCCAAACCCAAATTTTT

Sequence 3715

ACCGNGGTGGCGGGCCGCATTGCGCTTGGGGAGGTCCTGCTTGTGGCGAACACCAG
GAGGACAGCATCCCGGANCTCGTCTCGGCCAGCATCCTCATGAGCTCCTNACGGGCCTC
GTTACACGCTCTNTGTGCTGTCCACCACGAAGATCAGGCCTTGTGTGTCTGGAA
GTAGTGGGCGCCACANGGCGCGGATCTTGTCTGGCCACCCACGTTCCACACAGATGGA
AGCTGGATGTATCTTTGTACCTCGGCCCGCTCTTAGAACTAGTTGNGATCCCCCGGGCT
TGCAAGGAAATTCGATATCCAAGCCTTATCCGAATACCCGTNCGAACCCCTCGNAGGGG

Table 2

GGGGGCCCCGGGTACCCCAACCTTTTTGGTTTCCCTTTTAANTTGGAGGGGTTANATTGC
CGCCGCTTTGGGCGT

Sequence 3716

CCGGGGCCCCCGGAAGNGGGTTAACCCCTTCNNTNTNTNTNTTGTNTNTTNTNTNTNTNT
NTGTNTNTNTNTNTNTNGGCCAAAAATTNGGAAAAAAATNAAAAAAATTGGGTTTT
TTTTTTTNAATTTTAAGGGGGGCCCAAGNAAAAATCCCAANAAAAATTGGCCCTTC
CAAAANGGGGCCCCCCTTTTCNNTTAAATTTAAATCCCCCCCCCAAGNTTTTTTAA
NGTTAAGGTTTTGGGGGAACCTTTAANGGGGGGAAAAANCAAAAAAGGGGAAAAACCCC
TTTTTAAATNAAAAAAATTTTGGGGGGGANCCAAGGCCAAANGGAAAAAGCCCG
AANGCCTTTTAAAGNTGGGAANTAACCTTTTGGGNGGGGGGGCCCCAAGGGGGCCAATT
TTAAGCCCCNANCAACCCCAAGCCCCCCCCNACATTTTTTCTTGGNANTAAGGGGGCN
AAACCCCNNTGCCNACCTTTGGGNGGGGGGGGGGNTGGGAAAAANTTTCNTTTTTNGC
CCCCAAAAAGGTTNGGAATTGGGGGGGGCCCCCAGGCCNCCCCACCCAAAGGANCCCCA
AANGNCCNCCCGGTTTTTGGCCCCCAGGGGNAANANCCCCTTTGGAAANGGTTTTNT
TTCAAAGGGGAANTNCCCCNCCGNTGGCCCCNAACTTTTTTNGTTCNAACCAAANGGN
GGGCCANGGCCNTNCAACCTTNTCAAAGGGGGGGNGGGGGGCCAAAAAAAGGGGGNGC

Sequence 3717

TTAATTAAGGGGGCGCGAAAAATTTGGGGGNAAGACCTTCCCCAACNCCGGCGGNGGTG
GGGGCNGGGGCNCCGNCNCCCCGGGGGGCCAGGGGTNAACCTNTATNTNTNTNTNTNT
TNTNTATGTCTNTCTNTGTGTATNTATCTNTNTGGGGGGNGGAAANTNCCTCTCTNT
NAATNTAAATNTNTNCCCCAAACCTTGNAAGANAACCAANACCATTTTTTTTTTCCCA
AAAAAGAGACCAAGGGGNGNCCNCCAAGGNNCCATTTTGGTGGCAATTAACGGCCAAT
TGNTGTCAAAATAATGGGTNCCTTAATTTGTNTNGGCCACGCANAAANAAGNGAAAT
ATTGGCCTNACCAGAGGNTCCAATTGGCCACAATTNTNCCAGCNAATTTNTCTTCCACAN
TGANGCCTAGTNTNCTTGGAACCTAGNANAAANTTTTACAAAGGGGACCAAAATTTTCCC
CCAAATNTGGGGNGGGTNNCAAAAAACCAATTTTTTNAAAANTTGGGAAAAANTTA
AGGGTTAAAAAGGTTNTCCCTTAACCTTTTTTTTCTTGGGCCCCCCTTTTGGGGGGG
GGTTTAATTTAAATNAAAAAAATTTGGGGGGTNGGGTCCCTTTTTTTTCCCAAAGA
NNTGGGGAAAAAAGAATGGGGTGGGTNGGTAAAAAAGGGGGGGGGGGGGGGGGGGGAA
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TTNAAAAAACCAAAAGGGGTNGGGCCCCCCCCCAACCNCCCGGGGTTTTTTCCCCCAA
AAAATTTGGGGGAAACCCAAGGGTTTCNAAAGGGCCCCCCCCCCTTTTNTTGGGGGGG
CCCTTTGGGAAAAATTTTTTTTCTTTTCCAAAGAGGCCTTAAATTTNCTTTTTTNC
CTTNGGGGTGAAAGGNTTTTTCCCCCAAAAAAA

Sequence 3718

GATGGGTTCCCTTTTGGGTNTGNCTTGGGGNTNCCTTTTCTTANTTTNGGGGANTTANC
TGGNNGGGGGGAAATTTCTAAGANGCCTTAAAAATAACCAATTGGNCCCGGACCGGGGGC
CGGCCTTGGNACCCCCCCCCCTTTTCTCCNNGGTGGGGGGGGGAATTGGCCNGTTTGGCC
CANTTTTTAATCCAAGGGATTNCANAAAAAACCTCTNAANCCNCCGGGGNTTCAAA
GGGCCCCCCTTTGTTTTCCNNGGNNCNCNCCCGGGGGGNCNCCGGTNTTNTNCTNANGA
AAAANCTTTANGGGTTGGGGGGNATTTCCCNCCCCCCCCGGGGGGCCTTTGGCCAAAAGGG
AAAATNTNTCGGAATTAATTTNAAAAAGNCCCTTTAATTTCCNNGGAATNNAACCCC
NGGTTCCGCGAANCNCTTTTNNNCNAAAGGGGGGGGGGGGGGNCNCCCCCGGGNGAAAC
CCCCCAAGGCCTTTTTTTTTGGTTTTT

Sequence 3719

CCGGGCAGGTACGCGGGACCCCATGGCGTTATTTATTTATTTTTGAGAGGGAATCTTGC
TCTGTGCTCAGGCCAGAGTGCAGTGGTGTGATCTTGGCTCACTGCAACCTGTGCCTCCC
GGGTTCAAGCGATTCTCCTGCCTCAGCCTCAGAGTAGCTGGGACTACAGGGGCATGCCA
CCACGCCCGGCTAATTTTTGTATTTTAGTAGAAGCGGGGTTTCACCATATTGGCCAGGC

Table 2

TGGTCTCAAACCTCCTGACCGTATGATCTGCCCACCTCGACCTCCCAAAGTGCTGGGATTG
ATTACAGGTGTGAGCCACTACGCCAGCCCCATGGAGCTATTTTATTTAAAAACACATA
CATTATAACTCTATTGATCTGATTACAAAAGCGCTATTTTGTTAAATGTTTATTGTG
ATAAAAATTCAAAAATTATTAATGNTAGCCAACAAAATTCAAGCAAAACATAAAATGNTG
TNAAGTAAAAAGTGAAAAGAATTTTTTCCTTTAGTTCCCTNTTNCCTNCCCATTNTTC
CAANAAAAAACCTTAAANTTTTGGGGGGGGGGGCTTTCCCAGGAANGGTTGGNTCNG
GTTTGGGGNTTATTATTATTTAAATATNCCCCATNNTTTTCNTTTTTTTGAATTACCC
CCCCNCNATTTTGTATTATANGGGTTTTTTTTTNA

Sequence 3720

AGGCGGTGGCGCCGAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGA
GTTTGAGACCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAATTA
GCCGGGCATGGTGGCTCACGCCTGTAGTACCAACTGCTTGGGAGGTTGAGGCAAGAGAAT
CGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCA
TGGGCGACAGAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACANANAAAAAGAAA
GCTTATATTGAACCTCTCTAAAAAANGAAAAAANGAAAGCCTGATGCACACAAATCTAA
AATTTNGCAAGTCTATCAATTAAGGATATTTTATTTTGCCATCACAAAATTAATTNTT
TACTTCNCCCCAAA

Sequence 3721

AGGTACTTTTTTTTTTTTTTTTTCTTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTCCCAANCCCCAGGAGGGCTTATTTTTTTTTTAAANATCCTG
TTCTGNGGCTTCTTNGGCTNTTTTTGCCCGTNTNCCAAAAANCCGGGCGTTGGCNCGGNC
CANACGGANACTCCCGNGTACCTGCCCGGGCGGCCGTTTTAAACTAGGGGATC

Sequence 3722

AAAAACCCGGCCCCCCCCANAAANAAGGGGNTTGGTAAANAANGGAAANAACCCCCAAG
GNGCCNTTCCGAANAAGGGGGGAAGGGAAACCACCAACCGTTGGGGAAGGGGGCCCAA
AGGCCCCCTTGGGCNAAGGNNAANTTAACCGGNGGNAAGGCCCTTTTTTGGGGGGG
GNCCTTTGNGCCCCCCCCAAATNTCCAACNNCCGGGGTGGGGGCCCTCCAAATNGGTTG
GGGGGAATTNGGGGGCCNCCCAAAAAAACCNCCCCACCCAAATNGGGTTTTTAATTTNT
TTNGGGGGCCTTTCCTTTGGAAACCNCCGGGGGAATTGGNGGAAAAGACCTTTTGCCN
TTTGGGGGGCCGCCCCAACCCCATTTGGGCCNTTGGNGGGGGAAGGNAAGGAAAAAAGT
TTTGGGGGGCCTTTGGGGGNGTCCNCCCCCTTTAATTAANCCCCCTTACACCAAAGGG
CCCCCGGGTTGGGGAAAAATTTGNCCCCAATGNNAACNTTTTTTNAAAAAGGAAATTT
TGGGCCCCCCCCGNGGGAAGGGGGNAAAAAGGGCCCCAAAAAACNTTCTTTTTCCGGT
TTAATTTAAAAAANAANAAAAAAGGGGCCGANGGGGGGCCCCCAANTCCCTTGGGNCT
TTTNAAAAAACNCCCCCTTTTNGGGGGCCTTCCNCCAACCCCCAATTAANATGGGGGCCA
CCCTTGGGGGGGNACCCTTCNNGGGAATTTTTTCTTTCTTTTAAATTCCTTNGGAAAT
TAAANGGAAAGGGGGTTNATTTTTTTTTCTTNGGTTGGGGGNCCCCNCTTGGGGGGG
GGNNAAGGCCTTTGGGGNCCCTTTGTTCCCTTTTCCCCCCCCCTTAACCACCCCCCNA
AAAAGGGGGGNANTTGGNCCCCAAAGGGG

Sequence 3723

AGGGGGGCCGGAAATTTTGGGTAAGGCCTTCCCCACCCCGGCCGGGGTTGGGGCCGGGG
CCCCCGAAAGGGGATAACCTTNCNGNTAAATTTTTCAAATCCCCGAAGGTTGGGTTCC
ANTTCAACAAGGTGCCCCCGGAAAGGGTTGGAATGGAATTCCTTTGGGAAAGGGCC
GGTTGGCCAACCCCCGGGAANTCCCNANGGGGAANTTTTNTNTGGTNTGANGCCAAAGC
NANCTTTAACCCANTTTTNGGTNNCNTNAAAAANGGGCCNANNNCCNNAANGTNAAG
GGGAAATTTGNTTTGAANTTAAANTATNAGGGGCCNTTTGGAANTTCNNANTTTTTN
TTCCCNNTNAAAGGGATATTGNGGTGGTTNCCCCANATTTTTTTTANGGGGGAAAAAAG
GGGNTTTTTGGGAANCCTTAANGGGGCCNNNTTGGGGNGGNGTTTTCTTNTTAANAG
GGGNGNNNTNTCANAGNGGGGTNGNANCCCCNTTNCNTTGTGGGGGAANAAAAAAGG

Table 2

GGGNNCCCCCTTCNAAAAAAGTTGCCNCCANNNTTTTTTAAAAAANGGGNTTTTCN
NNAAAAAAGNAATTGTGGGTNNCCCTNCGTGGGNNTTTTT

Sequence 3724

AGGTACTTTNTTTTTTTTTTTTTTTTTTTTNGAAAAACATGCCTTTTAGGGGTTT
GGCCTAACAAGGAGTGCTACCTTTTCCCTATTAACCANCGACATTTAATGAAGTCATNT
ATGGAGGGGTGGAGGTGAGGAANCTGTTTCTTTTCCATGTGTNTAGGGCTACCCAAACT
CAGCTTGCTTGGCTGCTCCCTATGGCCNGAGCACATTTGAGCTAAGGGAGGTCTTTCACC
CAANTGNTNAACTGTCTGAACCTACAGGCCTCCCCAACCCCAAGAAAAGTCANGGGGCCA
AGGNTTGGCACANTTNTGGGGGAGGAAGNAAGGGGGAGNAGTAGACAGTAAACNGTAAAA
NAAAGGGGGTCTGATGTTTGCCAAACCTTCCATTTTGGNAAGAGNCTGNAACCTTTCCC
AAAGGCAAANANNCCCTAGGGGGGTNGCAACAAGGCATTNTTNTTCTAAGAGAAGGG
GGNGAAGNGCCTTGCCNGTTTNGGCNTTTTTTTTTTGGGCCCCCAATTTGNTGGGAA
ATTTNNGGGGGCTTGTCCTCCACCANGCNANCCNNGTTAAGNGGNCCCCCTNATNNC
CAAGAACAAANGTNTTTNTAAGGGGGANNCCNTTGGGNCNGGGCCATTTTCCAANAA
TTTTTCNTTGGGGAAANGGANNGGCTTTTTTTAAAAA

Sequence 3725

GCATTTTCTTTTGCAGGTTGCATGCCAGCCAATATTCCTNTGTGCTGGGAAGGGAAAGT
TTGAGGATGTATCAAGACCATAGCAGTGGATCTCACTGCTCTTGCCTACTCAGGGCTTTA
TCTACACATTGATAGCCCCCTCAGAGGAAAGGCACCAGCCGAAGAGTCGACACTGGCTCTG
GGCTTGGATGCTGCCTCTGATAAAACGCTGGGCACTNTGACCCTGAAGCCAGGGGAGGGG
AGTGCTTGGGCAAGCNTGCCCCCGCCGTACCTCGGCCGCTCTAAGAACTAGTGGGATCC
CCCGGGGCTTGCAGGGAATTTCCGATAATCAAGNCTTATTCGATACCCGTNCGACCTTNG
AGGGGGGGGGCCCCCGGTACCCAAGCTTTTGTTCCTTTTAGTGAGGGGTTA

Sequence 3726

GCGGACAGACCCATTCTAACGTCTGCCCTATCAACTTTTCGATGGNTAGTTCGCNCGTGNC
CTACNCATGGGTGAACCACTGGGTTGACNNGGGGGGAATTCAGAGGTTTCCGATTTCCGG
NAGTAGTGGAAGCTCTTGAGGAAAACCGGGNTTACCCAACNATNTCCANAGGGNAAAGG
NCAAGTCNAGTGCCGGCCGCCAAAAATTTACCCCCAACCTTCCCCGACCCCCCGGGGGG
TANGGGTTNTGTTTGNACCCGNATATATATCACANAATATATANATATATATTANATATA
AGANAATATAGAGATAGGNGTTTANCCCCTTTCGGGNCCNCGGGCTTTCTTTTAANGAAA
ACNCTTAAGGGTNGGGGGAANTTCCCCCCCCNCCGGGGGGGCTTNGGCCAAAGGGGAA
AAATTTTCCGGAATTTATTTNAAAAAGGGCCTTTTNTATTTTCNGGAATTAACCCCGGN
TTNNTGNTAACCCCTTTTCGTAAGGGGGGGGGGGGGGGGGCCCCCCCCGGGGTTANNCCC
CCCCAANGNCNTTTTTTTTTGGGTGTTCCCCCCTTTTTTAAAGAGTGGAAGGGGGG
TTTAAAAATTTTNGCCNGNCCGGCCTTTTGGGGCCGGGT

Sequence 3727

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGACGCGGGGTAATTAAGTGA
TTGAATTCAGGCAAATGAGACATCATGAACCTCAGTGGTTATTGATATTTAGGGTATAT
ACCTGAAATGCCTAGAGGATACAGATTTCTCATTTCTTTGGTCTTTCATTTCTCTA
TATACAGAAATGAAATGACACTTCTGGGAGGCAGTAGAAGCAGGAAGTCAATGAATTGAG
TAGAGGGTCCCATTCCTCAGGCTGTCTTGTATGATGACAATTTATAAAAAACAACTGC
AAAGTCTGTGGCAAGTGGCTGCCTGCTTCTAGAGGAGCCCATGAAGGTTAACTCTGT
GGTCGGTATTTGCAAGCGCCGGGCGTGGTGGCTCACGCCTGTAATCCTAGCACCTTGGGA
GGCCAAGGCAGGCGGATCACCCGAGGTGAGGAGTTGAGGATTGCAAGCAAAAGGTCCT
CTCCTGAGTCTTTCCCA

Sequence 3728

TTCCACCCTCAGCGGATGATAATCTCAAGACACCTTCCGAGCGTCAGCTCACTCCCTTC
CACCTCAGCTCCACCCTCAGCAGATGATAATCAAGACACCTGCCGAGCGTCTGCGGG
GGCCGCTTCCACCCTCAGCGGATGATAATCTCAAGACACCGACTACGGCGGACTAATCTT

Table 2

CAACTCCTACATACTTCCCCCATTATTCTAGAACCCAGGCGACCTGCGACTCCTTGACGT
TGACAATCGAGTAGTACCT

Sequence 3729

AGGTACTCAGACTCACCCCCAACTGCCATCTTCTCCAACCAGCCTGTGAACATGAGAGTA
GAGGAGGACAATGACAGCCCCCTCAGTAGTGTCCCCAACTACCAATGGACAGGGAAATCA
TGGTTTTGTTTGGATTGGTTTCACCTTCATGTTGTCCACAATGGCTCGGATGGGGTTGA
AAGTTTCTTGCCCATGTCTGAGGGCCTCACAGACCACCTGGCCTTTCTGCCTTTTCATTT
TTCCCGGCACAGAGCTTCTCCACCAACGTTGACATGCACGTCCAGAATTGAGGGGAGGT
TGCTTTTGCTGCTCATCTGAATCATGTATGGGTCCATCACTAGCGAAGCCTTCCAAGTAA
AGGAGAAAGCAGCCTCCAAGAAGCCAACCCCGAAAGCTCCCTTAGCTCTTCTTTGACAGG
TTACAGGGGGCCCCCGGTACCTGCCCG

Sequence 3730

AGGTACCAGGCTAAGTAGTTTGTATTGTGGGAGTTGTAAAAACACTCTGGCTGGACTTG
CAGTTGATGGTGGCCCTCTCGCCAGAGACACAGCCAGGGAGTCTGGAGACTGGGTCTGC
ACGATGTCCCCGTGCGCACAGAGATCCAGAGCAACAGAGAAATGAAGACCTGGGTCTGC
AACACCATCTTGCTGCCCCCTGCCCTGCCCTGTTGTANCTCCCCCGCGTACCTGCCCGGCCG
CTCTAGAACTAGTGGGATCCCCCGGGCTGCAGGGAATTCCGATATCAAGCCTTATCCGAT
ACCGTTCCGACCTCGAGGGGGGGGGCCCCGGTACC

Sequence 3731

AGGTACGCGGGGGCCAGGTGTGTTGGCACATATCTGTAATCCCAGTTACTCGGAGGCTGA
GGCAGGAGAATGGTGTGAACCCAGGAGGCGGAGCTTGAGTGAGCTGAGATTGTGCCACT
GCACTCCAGCCTGGGAGACAGAGCAAGACTCCGCCTCAAAAAAAAAAAATGTTTCAGGGAA
TCACAAGAAAATAGAGATAGAAAATTAATGAAATTTAGAAAGCAATCCATGCATGTAGT
GAGAAATTTGACAAAGAAATAGAAACAAGAAAACAAATAGAAATCCTATCTATAACAAT
ACAGTAACTGAACTGGAATAACTCATTGGAAAGCTTTAGCAGCAGACTTAATCAAATAAA
AGAATTGGTGAGCTTCAGGACAGAACATATGAAATTACCCATTGAGAGGAGCAAGAATAA
AAAAGGGTAAAGAAAGACCTACAAGAATTGTGGAATACCATCAAGCAGACTAACCTCTGCA
TAATAGGGAATTCTGAAGATGAGGAAGAAAAGGGTGTAGAAAGCATACTTAAGCAAATC
ATGGCTTGAAAAAGTCCCAAATCTAGAGAAAGATGACACTGTCTAGGTACCCTGCCCGG

Sequence 3732

NTGTGTGCCACGGAACCCCCCGTTTCAAGCCCCGACCGCTTGCGCCCTTATCCGGGNAA
CCTATCCGCTTTGAGGTCCCAACCCGGTAANGACACGGACTTAATCGCCCACTTGGCCAG
CCAGCCCACTTGGGTTAACAGGGATTAAAGCAGAAGCGGAGGGTATTGTAAGGGCGGTGG
CCTACAAGAANTTTCTTTGGAAAGGTGGTGGGCCCTAAACCTTACCGGGGCNTANCACCT
TAGGAAGGAAACAANGTTTTTTTTGGGGTTATTNNTNGCGGCTTCTTGGNTTGGAAANCC
CCCAGGTTTACCCTTTTGGGGAAAAAAGGAAGTTTGGGTAAGCCTTNTTTGGAATCCCN
GGCCAAAAACAAAAACCAACCCGCTTGGNTAAGCGGGNGGGGTTTTTTTTT

Sequence 3733

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTT
TTTTTTGGTAGCGTCGCTTCTGTCTACTTTATTTATTGGTCAGGGCAATCACAAAGAT
GTGCATAGGCTCAAAGAAAAGAGACATAACCCCGACCAACNGATGGAAGAAGTGACGCGG
TCATGTTATGAGAGGAGTGTGTGGGATGGGAGATAG

Sequence 3734

CTAACTCACATTAATTTGCGNTTGCNGCTCACTTGCCCGCTTTTCCAGTTCGNGGNAAA
CCCTGTCGTGCCAGCCTGCATTTAAATGAATTCGGCCAACCGCNGCGGGGGGAGGAGGGC
CGGGTTTTTGCCGTATTTGGGGGCGGCTTNTTCCGNCTTTTCTCGGCTTCACTTGAC
CTTCGCCTTGCGGCCTCCGGGTCCGNTTTCCGGGCTTGCCNNGGGCCGGAAGCCGNTTTAT
TNAAGNCTTCNANCTTCAAAAAGGGGCGGGGTANAATAACCNNGGGTTTAATCCCCAAC
CAAGNAAAATTCANGGGGGGGNAATTAACCNCCAAAGGAAAAA

Table 2

Sequence 3735

GGAAGCTCCCTTCNGATGGCGCTCTCCTGTATCCGACACCTGCCGCTTTACNCGGGGATAC
CCTGTACCGCNTTTTCTTCCCTTTGCGGNAAGCCGTGGCCGCCTTTCTCATTAGCCTTCA
CGCTGTAGGTATTCTCAAGTTCGGTTGTTAGGGTTTCGTTTCGCTTCCCAAGCTTGGGCCT
TGTGTGCACCGAAACCCCCCGTTCCANNCCCCGACCGCTTGGCGCCTTATCCCC

Sequence 3736

TGGNGCTCCACCGTGGTGGCGGCCGAGGTACTTTTCTTTTCTTTTCTGGATTCCCCAC
CGAATATTCACTTTTCTGGATGTATTGATTCAACTAGGCATCATACGTGACTGTAGAATT
GCAGATATTGTGGACACGGCCATGCCTATCACCATTGTATAGCTTATTTTAACAATTGC
CTGAATCCTCTTTTTATGGCTTTCTGGGGAAAAAATTTAAAGATAATTTCTCCAGCTT
CTAAATATATCCCCCAAAGCCAAATCCCACTCAAACCTTTCAACAAAAATGAGNCAC
GCTTTCCTACCGCCCCCTCAGATAATGTAAGCTCATCCACCAAGGAANCCTGCACCATGTT
TTNGAGGGTTGAGTGACATTGTTTCGAAACCTGTTCCATAAAGTAATTTTGTGGAAAGC
TCTTAAGNAACTAGGTGGGATCCCCCGGGCCTGCAGGGAATTTGATATTCAAGGCTT
AATCGATTACCGGTGCGACCCCTCTGAGGGGGGGGGG

Sequence 3737

AGGTACTTTTTTTTTTTTTTTTTTGGAGACGGAGTTTCACTCTTATTGCCAGGCTGG
AGTGCAATGGCGCGATCTCGGCTCACTGCAACCTCTGCCTCCTAGGTTTCATGCGATTCTC
CTGCCTCAGCCTCCCCAGTAGCTGAGATTACAGGTGCCTGCCACCAACCCCGGCCAATTT
TCTGTATTTTAGTANAGACGGGGTTTCATCATGTTGACCAGCCTGGTCTCAAACCTCTG
GCCTCAAGTGATCTGCCCTCCTCAGCCTCCCAAAGTGCTGGGATTACAATAATTTTCACT
TTCATGGTGCTTATAATACACTGGATGATGTGACCAAGGAAGAATTGGACCCAGGTCATA
AATGATCTAAATATGGCCTTGAGATGTTTNAATGTTCTTCTATGAACATTTATAAGGAGG
AATTAAGTACCTGCCCC

Sequence 3738

CCGGGCAGGTACGCGGGGAGTCAGGCCTCAGAAAGATGGCGTCCTCGGAGCAGGCAGAGC
AGCCGAGCCAGCCAAGCTCTACTCCAGGAAGTGAAAATGTGCTGCCTCGAGAGCCGCTGG
GACTTGCTGTGCTGCTCAGGCTGGAGTGCAAGTGCAAAACACGGCTTACTGCAGCCTTCA
CCTTC

Sequence 3739

AGGTACAAACCAGCCCAGGTTGTAAGGACTAAAATAAATACCTGCTCTTTAATGCCCAGG
CACTGACAAACATCCACAAACATCAAGACCATCCAGGAAAATATGACCTCTCTAAATGAA
ATAAATAAGGAATCAGGAAACAATCCTGGAGAAACAGAAATATGTGTGCTTTTAGACAAG
AATCAAAATAGCTGTGTTGAGCAAACCTCAAGATAACACAGAGAAGAAATTCAGAATTCT
GTTAGATAAATTTAACAAGGAGATTGAAATAATGAAGAATCAAGCAGAAATTCGGCATT
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GCAGAAAGAATTAGTGAGCTTGAAGACAAACTATTTGAAAATACAGTCAGAGAACACAAA
GAAATAGAAAAGAATGAAGCACACCTACGAGATCTAGGAAATCGCCTCAAAAGGACAAAT
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AAGGGATAATCCACAGANGACTTNCCAAACCTGAAAGAAATATTATTGGATATTCAAGTA
GAAAANGGTTTTAGAACACCCAACAGATTTNACCCCCAAAAGACTACATCAAAGCATTTA
ATTTTCAACCTTTTNAAGATCAATGGAAAATNAATGCTTTTTTAAAGNNGGCAGGGGAAAA
GGAAACCCATTT

Sequence 3740

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGCGGTGGTTGGGT
GGTAAGATGGCGGCTGTGAGTCTGCGGCTCGGCGACTTGGTGTGGGGGAAACT

Sequence 3741

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGATGAAGATTATGAATT
GTTAGGACAGCCAGGGCAAGATAGACCCTGTCTCTACAAAATTTTTTCTAAATTAACCG

Table 2

GGCATGGTGGTGCCTGCCTGTAGTCCCACCTGTGTGGGAGAATCACTTGAGCCTGGGAGG
TCAAGGCTGCAGTGAGCCATGATTGCACCCCTGCACTCCAGCCTGGGTGACAGAGTGAGA
CCCTGGCTCAATAAGAGGGGGGAAAAAAAAAATTGTTAGGAGCTGGGTGCGGATGCAGCCTG
CAATCCCAGCTACTTGAGAGGCTGAGGCCGGAGGATTGCTTAAACCCAAGAATTTGAGCG
TAGCCTGGGCAACACAGCAAGACCCCATCTAAGAAAAAATGTTTTTAAATCAGCTTAG
CCCAAAGGGGTGTGAATGGGGAGGTATAAAAAGCAAAAGATTATTTTTTGGCTTCTAA
GCCAAAGAACTTACAGGGGATTTTTTTTTTTCAGTCCCAGAACCTGCAGATACCCTGCTAC
TTGCTTCACGTGGATGCTCAAGTGCCCCAGCANCCATCTTAATACCATTAAACCAGGTTA
AAAAATCCTTNCATGTGGAGGAAAACATGTTTTTTTTNTCGCCTTAACTTTTTCCACAT
GAAATGTGTGCCCCATGGCTTGGGGCNCATNGGCTNATGCCCTNTAATCCCAACCACTT
TTGGGGAGGCTTNAANCAAGCCAAATTTGCTTNGAGGNCCAGGAATTCGAGNAACAAG
TTTGCCCAACATTTGGNGNAAACCTTNTTTTTTACCAAAAAA

Sequence 3742

AAGCCCTGGGGGCGGAGAGTTCTGCCTGGTNCCACCTGATCACTCTGTCATGACCTCAGT
TNATGTGAACCTTTGCCCCACCTTNGTCTCAAACCCAGCCCTGAGCCCTANATGCTGGG
NTGTGNGCANGGACCNCCTTNCNGGCTTCNNANANNANGGGAGCCCTCNANTATGCAGAAC
ATGTTAACTATCACAGATACACANGAGGTCGTGACTGAAATGACTTCCCAAGGGAAGTGT
CCTTGTCTCCTTTTTTAAAAACATTAAATGTCAGGA

Sequence 3743

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTGGTTAAAGATCTAGCCTGAAAATCCCAT
TACAAAACTGCCTAGAACACAGTTTACCTTTCTTGAAAGATGAAGAACCAAGTTAATC
CAGAATACACTCAAATCCCCTGGCTCTTGAAAGTCTCAGTTTTCAACCTGCTTGAGATT
GTTTAGACAAATCTCTAAGTCTTAACTAAAATTCATTTTCAGGTATTATATTAAGCCAAG
ATAAATAGAAAGTGTTGGAGGTCGTAAAAAAGACAAAATAAACCCACTACC
TTCAAGGGTTAACAATACTAACTATACTTATGGCCCTTCATCACTGCATTTGCTAAC
CCAGCTTTCCATTAAACAAAAATGCCTNATGAAATGGACACCTTGGAGAAAATAAGTGCC
CCCCAATAAGTGCACAAAGCAGCTTGACTCTTNCCTGATTTCCAGGATGACTGATGAAAT
GGGCCATCAGTTGNTGNCAATTTTCACTTNCCTTGACAACATGCTGAAAGCTGGGCGCG
ATGGCTCACGCCTGTACCCCAA

Sequence 3744

GGTGCAGTGGCTCATGCCTGTAATCCCAGGACTTTGGGAGGCCAAGGCGGGCGGATCAGG
AGGTCAGATCGAGACCATCCTGCCAACACGGTGAAACCGTCTCTACAAAAA
AAAAAAAAAAGTACCT

Sequence 3745

TAGGTCNTTCCGCTCCAAGCCTGGGGCTTGTGTGCACCGAAACCCCCCGTTTCAAGC
CCGGACCGCNTGCCGCCTTATCCCGGTTAACTATCCGNTCTTTGAGGTCAAACCCCGGT
TAAGGACACCGACTTATCGNCCACTGGCAGNAAGCCACTGGGTAAACAGGGATTAGCAA
NGAANCNAGGGTTATGTTAGGCCGGGTTGCTAACANGAGTTTTCTTTGGAAANGTGGG
TNGGGCCCTTAACCTANCCGGGCTTACCACCTTANGAAAAGNAAACCAAGNTAANTTTTT
GGGGTNATTCTTNCNGCNTCTTGCTNTGAAAAGNCCCAAGATTTTACCCCTTTCAGGGA

Sequence 3746

TTNAAATNACCGGAACCTTCAACCTTATTTAAGGGGGGCCCGAAAAATTTGGGGGAAAGG
CCCTTCCCCAAACCCGGCGGGGTGGGGGGCCGGGGCCCCGGGGGGGCAAGG
GGTTTACCGNCCGGGGGNCCGGGGGGGGGGGTGGGGAACCCCAACCGNCCCGGGCCCC
CCTTCCCCAATTCCCCGGTTGGCCTTGGCAAATTGGAAAAAACCATTTCCTCC
AACCGGTTTGGCCCCCTTTTGGTTCCGGCCGGCGGTTCTTCCCCCAATTCCCTT
TGGAATTCCCCCAAGGACCCCATTTTCCCTTTTAANGCCCTTAATTTTTAATTCC
CCCTTTTTTCCCTTNGGGGTTTTTCCCGGAAAAAGGGGCCAAAAATTTAAATTAAT

Table 2

TCCTTAATTTTAATTGGTTAAATTAAAAANGGTTAAAAAATTAATTAANTTTAATTTAA
TTAAATTGGGGGAAATTGGTTTGGTTTGGGTTNGGTTNGGTTGGCCCGGTTGGCCCGNC
CCNGTTTGNAAAAATTNGNTTNGTTTTGGAANACCCCGNCCTTTTTTTTTGGCCAAAN
GNNCCCTTTTNCNGGGGGCCCCTTTAAANAGGTTTCCAAAACCGGNTTTTTGNGGGCCC
CCCCCTTTTTAAAAAAGANCCNGNAAANNCCCCCGGGTT.TTTTGANAAAAAAN
TTTTNGGGGAAAAAAAACCTTNGGGGGTTTTTTTTTTTAAANAAAAAATAAACC
TTTCTTTTGGGGGGCCCTTTTCCAAANANCNCCCTTTGGTTTCTTTNGGGGGGGGNC
CCTTTGNAACCCCCCTTTTTTTTTTCTTTGGGNAATACCGGGTTNCNTTNCNGG
GGGGGCCCCCCCCCTTTNTTGGNAATTNTTGGGGTTTTCCCCCGGGAAATNGGGG
GGTNTCTTNNTTTTTTTC

Sequence 3747

AGGTACATATGGTATACAGGCTCTATAAATCAGGGTCTCCTCCCCCACCCTTTTTTTTAA
CTTTTGAGAACACCACAAACACTGCAAAGATATTTGACAATTTTCTCAGGTTTTTTTTT
TTGAGACGGAGTCTTTTTCTGTCACCCAGGCTGGAGTGCAGTGGCGTGGTCTTGGCTCGC
TGACGCCTCTGTCTCCCGGGTTCGAGCCATTCTCCTGCCTCAGCCTCACAAGTGACTGGG
ATTGTAGGCGCCTGCCACCATGTCTGGCTAATTTTTGTATTTTGTAGTGAGACGGGGTTT
CACCATGTTGGCCGGGTGGTCTCGAACTCCTGACCTCAGGTGATCCACCTCCTTCGGCC
TCCCAAAGTGCTGGGATTACAGGCATGAGCCACCACACCTGGCCTATTTTGNTGNTCTTG
AAGTAAATAAGGAAAAAAAAATTTTCAAACCAGGTTAAATTTTGGTTTAAATTGCTGGCT
CTTTGGGATTTAATGACAAGCTTGGTAATTNCAATGGAAGCCCAAAACCNCTTGTCCTT
GANCAAGTTGGNGCTNGGCACANCTTGACCAAGCCTCCNCGGGGCNTTAANGAGGCCATT
TTTTTTT

Sequence 3748

[illegible]

Sequence 3749

CCGCGGTGGCGGCCGAGGTACCAAAAGACTCTCAAAAACCAATACTCCCACGGGCAAGG
GAATAGCCAAGTTTGTGTGCGGTTTCCAATGAATGACGTACGCCCTGTGTAGGTCTCAATC
AAAATGGGTTCAGTTAACACCATCAGTTTCTTTCTCTTCCAGATCCAGTTGAATTCCTG
TGGGCATTCTGGATAGCTGGAACAAGCTTAGACATGAACCCAGACAACCTTGCAAATTTCA
AGGAATTTCTCACTGGTGTATTTCATAGGATGCTCAGTGAAAGTAGCATAAGGAACTTCA
GTGGACCATGGGTTCCAGCGGGACAGAAGAGACTGCTCCTCCGGACTCCCCAAGTAGATC
CTAAGGCCCTTCTCCTTGCTCTTGTCAGGGACATCCAGGGAAGGTGAACTTGCCC

Sequence 3750

CCGGGCAGGTACCTGGCCCATGTGTAACTTTATGGGTGACCCAAAATTGTGTGAAATAGC

Table 2

TTATTAACACTCATATTTAACTGCTAATTCCTAAATGAAAAATTCTAGGTCGGGTATGGT
GGCTCACACCTGTAGTCCCAGCACTTTGGGAGGCCGAGGCAGGTGGATCATTTGAGGTCA
GGAGTTTGAGACCAGTCTGGCCAACTGGTGAAACCTCATCACTACTAAAAATACAAAT
CAGCTGGGCATGGTTGCGGGTGCTATAATCCCAGCTACTTGGNAAGGCTTGAGGGTAGG
AAGAAATCACTTGGAATTTGGGGAGGTGGAGGCTGCAGTGAGCCCCAAGATAGCCGCCAC
TTGCACTCCAGCCTGGGGAGACAGAAGCGAGGACTGTCTTCANNAAAANAAAAANAAAT
AAAAAANAAAGGTCCCTCGGGC

Sequence 3751

CCGGGCAGGTACGCGGGGATTCCNACAGACCTTCTGNAGATTCTGTGGTTATACTCACTCC
TCATCCCANAGAATGAAATTTACCACTCTCCTCTTCTTGGCAGCTGTAGCAGGGGGCCCTG
GTCTATGCTGAAGATGCCTCCTCTGACTCGACGGGTGCTGATCCTGCCAGGAAGCTGGG
ACCTCTAAGCCTAATGAAGAGATCTCAGGTCCAGCAGNAACCACTTACCCCCAGAGAC
AACCACAACAGCCCAGGAGACTTCGGCGGCAGCAGTTCAGGGGGACAGCCCCAAGGTCACC
TCAAGGCAGGGCAGGGAACCTAAACCCCCCTGAAATCCATAAGTGGGAGAAAAGTATCTT
ACTAACAGNAACAAGCCCTTGCAAAAGCCAGGGAAAAGGGAAATGCACCGGGAGGCCGTG
CCAGGTGGAAAAACAATTTCATCGAAAATGGAAGTGAATTTGCACAAAAATTACTTGAA
GAAATTCAGTCTATTAATAACCATGGGCCATGAGAAGCTTGAAAAAGAAATGGGGATCATT
GGACTTAAAGCCCTTAAATACCCCTTTGTAGCCCCANNAGCTNTTTNAAAACCGAAAAGC
CTTCCTTTANAAGTAANANAAANTGAANCNNAAAAAANNGGGGTCCCTTTNGGGCGNC
TTCTTAAAAAAGTNAAGTGGGATCCCCC

Sequence 3752

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCAATGGGGTCTCACC
CTGTCACCCAGGCTGGAGTGCAGNGGTGCATTATAGCTCACTGCAGCTTTGAACTCCTG
GGCTCAAGTGATCCTCCTACCTCAGCCTCCTGGGTAGCTGGGACTACAGGCACATGCTAC
TGNGCCTAGCCAACATTAACACTTTTAAAAAATGATCAAAACATGGGAACCTAAAGGCTC
AACAATANAACCTACAATAAATTCAGTGTCAATATAATGGAATTTACATAGGCATTAN
AAGTTTTATTTACAATTAATTGTTGGCAAATTTCTTAACAAATNTTCATAAAATCAAGTAG
AAAAAACAAATGACAATCATTTAAATAATAATCTCANAATATTTTTGATTAAAGGAGCTA
TACAAATTATANTATGTACATNCATGAAAAGAAAATGAGACNTTTAATAGTAAATAT
TTCCAAATGCAATACCAGTAGTATTGGTTTCTTTNTTACANAAAGNGGATAAATNATTT
TTTANAAAA

Sequence 3753

TGGANGGGGGGAAAAANAGCAAAATAAAGGGATTTCGAGGCAGGNAAATTTTTGGTNGC
CCCCCNCAAAACACCATNTTTCNCNTTCANNACTTTCTNATAGNAAATANGGNAANC
AACCGGCCTTTCTTNCCTTNNCCAAGNGNCNAGAGNTTACCTNGNAAAAGGCCTTNCANA
ACTTTNCTTNGTNTNATTATGGGGCCNTTCCAANTTTTNCAGGGGNTGTTAAACCCCT
TTGAAACCTTTTTTAACCGCCNANATTANGGGAAANTTTTAATTTAAACCTTGGGGGA
AAAAAAGGAAAAAGTTTTTGGGGGGGGGACCCAACCCATTNGTTAANTTTTTTGGGGGG
TGGGNATTTTAAACCAATTTTTTGTAACCAACCNACCANTTTTTNNGGTGGAAAAANAA
AGGTTTTGGGCNTTANTTTTTTGAAAACCTTTTTGNTTNTTATTTGGGGATTTTTTTTT
TTTGGGGGNNGGGGGGGAGGGNTTANAAAAGGAAAATTTTAAATTTCTGTGGNNGGG
GAATTGGGCCAAAAAANTTTAAAAAATTTATTTCCNCCTTTTAAATTTTTGNAANNTC
CGGGAACCTTTTTTGGCCCCCAAAA

Sequence 3754

CAACCCCCCGCCGGGGGTTGGNGGCCCGGTGGCCCCCGGCCCCCCGGGGGNCCAAGG
GGGTTTAACCAAGGGGGGCCCAAGNGGNGGNCCTTTGGGGGGGTTTANAAAAAANCA
NAANGNCGGGTTNGNCCCCAACCNCCAATAGCATTNGAATACCAGAATAGGTTTTTGGTC
CTTTTGGGCCTTTNGCCCAACCNCTTCCCTTAAAAACCCCCAAAAAGGCCCTTAAAAAC
CCCCAACCAAGGCCNTTTCGGCCAAATTTTTTACTTTAAGGGGGTTNCCAANAANAA

Table 2

AATTCCTTGGGAAAAAACCAATTGGGGGGCCCCCAANANTTGGGAAGGGAAAGGGAA
AAGGGAAACCTTTAAAAAATTTTGGGAAAGGNAAGGGGGGGCCCGCCCCCAATTNTT
TTTTTTTCTTTTTTTTCCCAATTTTGGGCCCCCCCTTGGGGGGAAACCCCTTTT
CCAAAAAATTTTTTCCCTTTCCCCCTTTCCCTTTGGGCCCCCTTAAAGGGGG
GGGGTTTTTTTTCCCAATTTGGGGAAATCCCAATTTTAAATTTAAAAAAAATTTT
TTTTAAAGGGGGGGCCCCAAAAACCCAAAAAATTTTTTTTAAATTTGGGGGGGGTTTT
TTTTTTGGGGGGGGAAAAACCCAAANAAAAAATTGGGGGGGTTCCTCCCAAAAAATTG
GGGGGGCCCCCAAGGGTTTCCCCCAAGGGTTTAAACCCCCCCCCGGGGGGCCCAACCCC
AAAAAGGGGGGGGGGGCCCTTTGGGTTTTTNCCAAATTTGGGAAAAAAAAGGGGG
GGGGGAAGGGGGAACCCTTTTTAACCNTTGGGGGGGGGAAAGGGGGGGTTGGGCCCA
AAAAGGGAACCAAGGGTTTGGGGGGCCCAATTTTTTCTTTCCCNNTTNCNTTCC
CCCTTNCNTTTTTGGGCCTT

Sequence 3755

AGGTACTTGACCCACAGCCATCTGGGATGAGCCGGTTTTAGCCACCATGTCTTNAAT
TCATCAGCATTGAACCTGGTGAAGCCCCACTTCTTGAGATGTGGATCTTCTGGCGGCCA
GGAACTTGAACCTGGCCCTGCGCAGGGCCTCAATCACATGCTCCTTGTCTGCAGCTTG
GTGCGGATGGACATGATAACTTGGCCAATGTGAACCCTGGCCACAGTGCCTGGGGCTT
CCAAAGACACCTCGCATGCCCGTTGGGAAGCCTCCCCGCGTTACCTGCCCG

Sequence 3756

CCTTCNCCAACNCCGGCCGGGGTGGGGNCCGGGNCNCCGTAAGNGGTTAACCGGCCG
NNGGGGNGNGCCGGGGTGGNGGTTNTNGNGNGNTTGGGGTAAAAAGGNAATNGNGN
CNGNGNTTNGGTNGNNAAGANANATANANNAAGNACNTTCTNTCCNNAACCTTTT
GNGNTNGGTGGGGGGGGGGGAAAAACCTTGCTGGGCCGCGNCCCTTCNTAAAGGA
AAAACNTTAAGATTAGGTGGAATTCCCCNCCNCGTGGGGACCTTGCCCAAGNGNAA
AATTNTCTGGAATTNATTNCNANAACGGCCCTTTTAATTCCGNAATTAACNCCGTTN
CCGNAACCNCTTCCNNGAAAGAGGGGNGNGGGGGGGGGCCCCCCCCGNGGTTACCCCC
NCCAAAGACNTTTTTTTTTTGGTATTCNCCCTTTTTTAAAGNTTGGGAAGGGGGGT
ATTTAAAAAATTTTGGCCCGCCCGGCCCTTTGGGGCCCCGGTTAAAAATTTCCAAT
TGGGGGTNCCAAATTTAAAGGCCCTTTGGTTTTTTTCCCTTTGGGTGGGGTGGGAA
AAAAATTTTGGGGTTTTTAATTTCCCCCGGGCNTTCCAAACCAAAAAATTTTCCC
AACCNAAACCAANAACCCANTTAACCNATAAGGCCCCCCGNGGGGGGNAAGGNCCCAAT
TTAAAAAAGGTTTGGTTTAAAAANGGCCCTTTGGGGGGGGGGGGTGGNCCCCC
TTNAAAATTGGNAAGGNTGGGAAAGNCTTTANAANCTTTCNAACCAATTTTTTAAAN
TTTTGGCCCGGTTTTTNGGCCCGGCCCTTTCTAAACCTTNGGCNCCCCGGGCCCTTTTTTC
CCAAAAGGTTCCGGGGGGGAAAAAA

Sequence 3757

CCGGGCAGGTACGCNTNGGTGACCGGGGAGNAGCGCTCGGNNGAGGANCTNTTNCNTTN
GCAGGTTTCGAGGCGATTTCGAGCTCCAGCTAGGATGATCGAGGTTGTTGCAACGACCGTC
TGGGGAAGAAGGTCCGCGTTAAATGCAACACGGATGATACCATCGGGGACCTTAAGAAGC
TGATTGCAGCCCAAACTGGTACCTCGGCCGCTCTAGAACTAGTTGGGATCCCCCGGGCTT
GCAGGGAATTCGANATCAAAGCCTTATCCGATACCGTCGGACCCCTCGAAGGGGGGGGG
CCCGGNTACCCAAGCTTTTGGTTCCCTTTAGTGGAGGTTTAAATTGCGGCGCCTTGG
GCGTAATCATNGGTCATAGCTGGGTTCCTGTGGTGAAAAATTTGTTATTCGCTTCACAAA
TTTCCACACCAACATTACGAAGCCCGGGGAAGCCATAAAAAGTGGTAAAGNCCCTGGGG
GGTGCCCTAATGGAGTGGAAGCCTTAACTTCACAATTTNAANTTTGGCGTTTGCCGCCT
TCACTTGCCCCGGCNTTTTTNCCAGTTCCGGGGTAAAAACCCCTTNNNCCGTNGGCCCA
GCCTTGGCATTAAATTTGGAATTCGGGGCCCAAAACCGCCNCCCGGGGGGAAGAAAGGG

Sequence 3758

Table 2

CNCCGGGCNNGGGGTTNNGGGGCCNNGGGGCCNCCGGCCCCCGGGGGGTCCAAGGGGGT
TTTAACCCNCCCGNNGNNGGTGGTGGGGGGGGCCCCAAAAACCCCGGGCNGGGAGAA
GGNAACCCANGGNAATAATTTTTTCCAACCAAAAAAACCTTTTTTCCAAGGNCCTTC
CCCCAAGGCCCAAGGNTNNTNTNCCAAAAAGGGGAAAAAAATTTGGTTNCCAAAAAA
TTGGGAACCCAAAAAGGGAATTGGGGGAAAAAGGGAACCCCGGGAAGGTTGGTTCCA
AAAAGGGAAGGCCCTTAAAAAGGGAACCCAAAAACCAAAAAAAAGAAAGGGGGGCC
CCCCCCCCAAAAAAATTTTTTGGTTTTTTTTTCCAAGGGGAAAAAA
CCCCAAAANTTGGGAAAAAAAGGGTTCCTTTTCCAAAGGGCAAAATTTTCCAA
GGGAAAAACCGGTTTGGGAAAAAGGTTCCCCCAAGGGGGGAATTCCAATTTGG
GGGAATTTGGTTTGGGCTTTTAAATTTCCCTTTTTTCCAACCCAAAGGTTTTCC
CAAACCTTTGGGCTTTGGGGGGGGGTTCCCTTTGGGAAAAAGGTTTTTCCCTT
TCCCCCTTCTTTTGGGGGGCCCCCCCCCAAGGTTTGGCCCCCAAGGGCCCTTG
GGCCCGNAAAAAGNCCCCCCCCCTTTCTTTGGGCCCCCAAGGGGGGGG
GGGGCCCCCAAGGGAAGGGGGGAAGGGGGGCCCCCCGGGGTTTGGGAAATTNAA
TTTTAAAGGGAAGGGCCCTTCTTTGGGAAATTTTTAAACCCCCCCCCAACCCCCC
CCGGTTTCCAAGGGGGGGNCCCAACCCCCCGGGCCNTTTGGGAAAAAGGGGGGT
TCCAACCTTTGGGAAAAANTTAANCC

Sequence 3759

CCGGGCAGGTACGCGGGGAGGCATTGAGGCAGCCNCGCAGGGGCTTCTGCTGAGGGGGC
AGGCGGAGCTTGAGGAAACCGCAGATNAGTTTTTCTCTTTGAAAGATAGAGATTAATA
CAACTACTTAAAAATATAGTCAATAGGTACTAAGATATTGCTTAGCGTCCAAGTTTT
AACGTAATTTAATAGCTTAAGATTTAACGAGAAATATGAAGACTTAGAAGAGTNGCC
TGGAGGGAAGGGAAGGATTAAGGTTTTCTTAAACATGACGGGAGGTTGAGATG
GAAAGCNTNTTCATGGGAGGTAAAAATGTATTTANAAAGGAAAAATTGAGAGAAAA
GGACTTACAGNAGCCCCNGAATTTAATACCAATAGGAAGGGCAATGCTTTAGATTTAA
AATGAAANGTGGACTTTAAACAGCCTTAAAGTTAGTTTTAAAAAGTTTGTAGGGTATT
AAAAATAATTTGAAGGCCGAATCTTTTAAAAAGAAGATTTAAACCCGGAAGGGNG
GATTAAGAAAGNACCCTTTGAAATCCCATTGGACNCCAANGGGGAAGAAATTTGCCGGT
CATTTTTAAAAAGGCCCTANGTTTAAACGGCCATTTTTTACCTTAAACCNCCNGGANCC
CAAAAAAATTGGGGAAAAANGG

Sequence 3760

TCCGAAGAAAAGCGCNGGNCTAAAGCCGCGAAGTCTGGTGACTTTGGCACCCACCCGTGC
AGCTGATGGTACCCAAAGCCGCCAGCGACCTGGAAGATGTTCTTGGGAAAAATGACC
CGTTGGGAGCCTGGGGCTTGGGAAGCCCGNAGGGTCCCGCGTTGCCGGCCCAATCAAGCA
GGTGGGCCACCCGNGGGACTGGGGCCGTNCCCTACCCGTGGGACGTTNCAAGATACCCCA
ACCCACCAAGTTAGGCACCTTAGGTAAATTTGCCACTTGGCCACCAAGAANGGGCAAT
TGGAANACCACCAAAACGNTNCCCCCGGTTTTGCCCTNTCGGGCCGGGTNGGGCAAGA
ATTGGCCCGCCGGGGTTGGCNANGGCCCGGGCCGTCTTNAACTTATNNTTTTTANGAAG
ANAAAAAAAAC

Sequence 3761

ATTGGTNGCCTCCACTCGCGGTGGCGGCCGAGGTACGCGGGATTGTCCCTGNNTGNCNGC
GGGGGTGCNGAGAANAANANTNTTTTTTTNTTNCTCGCAGCTGGAGATCTGAGAACG
GACAGACTGCCTCCTCAAGTGGGTCCAGACCCTCGAGTAGCCTAACTGGGAGGCACCCC
CAAGTAGGGGCNAGACTGACACCTCACACGCCCGGGTACTGATATTNCAATNTTTTTAG
TCTTATTGNTTTAGTGTTCAANGAATAANTCTTTNATTTCTTTCTTGAACAATTAAT
TTTTGNTTATAGGGGAAAAACTTGGAAACNAAACTTACNTTCNTTTNAAACAACCTNC
CTGTNTTCTTTTTATTAATAAACATTGGTGTTNCNTNGAATTTTGTGTATATGGAATG
TNTTTTTNTTATGGTGTNCCTAGGGTTAATTGTTGTCANGAAAAATTGCAAAAC
AACCGGGNGTAANACCCAAATNTTTTTCTTTCTTTTTTCCCCAAAAACNAACCT

Table 2

TTTTTAANGNTTCTAGGGANGGGAAATTTANGCAAATTAANAANAGGNCCTTTTNGNTG
GTTTTAAGGNAAATTTTACCCCTTTTTCNAATTTTGTGNAAAAAAGGAAAAANACNTNG
GGGAAAAAATTTAAAAAGTTTNGATTGGTGGNAGGTTTNCCTTGNCCTCCGG

Sequence 3762

CCTTCCCCACCCCGGNCGGGGGTGGGGGCCGGGNCNCCGGAAGGGGTNAACCTNTNTNT
NT
GCNAAGGACAACACCTAAACCTTNTTTTATTTTNTATTGGCCAACCCCGGGGGGGNAA
TGGGTNTNTCCAAAGGGTTANTTCAACCAAAAAACCTAATTTTAACCAAAANAGGCCAA
TATTAANTTAANATTCAACCCCCCTTNCCTTTTCCCCCCCCCTTTTAACATTGGGCGTT
TTCAAAAAACCTTAAATTTTNGGNGGGGGGTNAAAAANAAATAATTATAAAATTANA
ANATTTANAANAAGCCCCNCCTTTGGGGGCCGGGNTGGGGGTGGGGGGCCTTTCCAAC
CGGGCCCCCTTGGGTAAANANTGGGCCACCAANGNCCNACNCTTTTTTGGGGGGGAA
AAAGGNCNTTGGNAAAAAGGCCCGGGGGGGGNTTGGGGGAATTTCCANACCCCTT
TGGGGAAGGGGGGTTCCAAAGGGGGGGNAAGTTTTTCCGNGAAAGGAGAAGGGCC
AAAGGCCCCCCCCCGGNGGGAACCAAAAAACNCAATTTGGGGGGGCCGNNAAAAAN
AACCCCCCCCCNCCGGGTTTCCCTTTCTTTTAAACCTTAAAAAATAAAAAAATTT

Sequence 3763

AGGTACGCGGGGAGTCTCGCTCTGTCACCCAGGNNGGAGTGCAGAGGNACNATTTTNGN
TNACTGCAGGCTCTGCCTCCGGTGTCAAGCGATTCTCCTGCCTCAGCCTNTAAGTAGC
TAGGATTACAGCGCGCGCTCACCACGCTTGGCTAATTTTGTATTTTAGTAGAGCCGAG
GTTTACCAAGTTGGTCAAGATGGTCTCAAACCTCTGACCTCGTGATCCGCCCCCTCGG
CCTCCCAAAGTGCCGGGATTACAAGGCGTTGAGCCACCGCGCCCGGCNCGCTCTTAGNAA
CT

Sequence 3764

CCGGGCAGGTACTTTAGGAGGCCAGGNGGGCAGATTGCCTGANGTCAGGATTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCACGCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCCCGAGGATCGCACCACTGCACTCCAAGCATGGGCG
ACAGTAGCAAGACTCCATCTCAAAATAAAGAAAGNAAAGGAAACAAAGAAAAGGAAAAGC
TTTATATTGGAATCTCTCAAAAAAAGGAAAAANTAAGGAAAGCCTGGATGCACACCAAA
TCTTAAATTTGGGCAAGTCCGATCAATTTAAAGGGATATTTTATTTTGCATTACAAA
AATAAATCTTTTACTCCCCCAAAATCAATAAAAAAGTTTCAAAATAGCAACTTTT
CCTAATGGTGTTTTAAATGTTAATTCACCAAAATACATTGTGGTTCCCCAACT

Sequence 3765

AAAGGNCCTTCCCCCAACTCCGGCCGGGNGGTTGGGNCNGGGCCTCCGGAAGGGGGTN
AACCTNT
TNNNGGGGTTNCCACCTTNAACACANACACANNANAGANTTTTNTNTNTGATAAGATAG
AGNTGATTTANANTNTNNNGGGCCGCCNNGCCCTTGACNTTGGCCCCCTTTCTCCTTT
GGGGGAAATTGGGTGGNGGTAAANACCCCGGTTTTTTCNTTNAAGGGGCCTTCAACCTT
NNTTCGCGGGGNAANAATCCNGAAAAACCCNTTGAATTTNCCGCNCCNGTCCANCC
CCCGGNNGGGTTTCCACCNCAATNGGGGTTTANGNGGCCNACCCGGNGGCNNAACNTT
AACCCCAANTTNGAAAAAAGGTTTTTGNATNTANGTGGNGNCCAAGANAACCCGTT
TTTTCCNGAAAAAATTGGGGGNGGTTGAGATNCCAGACACCGTCCNCCNCNCTGGNCA
GATTTAACCCCTTTGGCCCCCGGNGGGGNCNCGGGGCCCCCGNGNTTTTTTTANANA
AAACCTTAAGGGNGGGGNNATTTCCCCCCCCCGGGGGNCCTTTGGCCAAAGGGGAAA
AATTTTCCGNTAATTANNTCNTCAAAAAGGCCTTTTTTATCCGGAATTNANCCCCGGNT
TNGGAAACCCCTTTCTAANAGNGGGGGGGGNGGNCNCCCGAGNGGTNNACCCCCCAA
GANCNTTTTTTTGGGTTTCCCCC

Sequence 3766

Table 2

CCGGGCAGGTACCTGTGGTCTCAGCTACTCGGGAGGCTGAAGTGGGGAGGATCGCTTGAG
CCCAGGTGGTGCAGGCTGCAGTGAGCTGTGTTATACCACCACACTCCAGCCTGGGCCGC
AGAGTGAGACTTTGTCCAAAACAACAACAACAACAACAACAACAAAACTGTAG
CTTCCATTTTGGGTGTTCTCTATTGCTCTGTCTTGATCATTCACTCTGGGAGAAGCCAG
CTGCCAAAGGCATTCTTCAGCGAGGCCACATGAATGGTAACAGGCACATGAGTGAGCT
TGGAAGCTGATCCTTTCTAGTTGAGCCTTGATGACTGCAGCTGTGGCTGACACAGCAGT
AGCTTTTGAAGATCCTAAAC

Sequence 3767

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTCGAGACAGGGTCTCACTCTTTCAT
CCAGGCTGCAGTGAGTGGCGCTACCGCGGCTCATTGCAACCTCCACCTCCTGGTCTNAA
GCCATCCTCCCACTTATCCTCCCAATTAGCTGGGATTACAAGCTCAAGCCACCAAGCCT
GGCTAATTTTAAATTTTCAGTANATAGGGTTTCGCCACATTGCCAGGGTGGTCTNA
AACTCCTGACCTCAAGGGATCCACCCACCTNAACCTCCCAAAGTGCTGGGATTACAGGCA
TGAGCCACTGCTCTGCCTTTTTCCCTTTTTTAACCTGAAAGTATCTTTGCCAATTCTGT
AATTTCTTCAGGTATCAAAAATCATCTTCCCAATAAGACACAGCAGTATATAACCTACTA
TATATTTNACTTATTTATTTTATTTATTTCAATAAGCCCAATTTGAATGTAAAAAATTT
TTATNTAACATAATCAATAAATAATTTCTTATGTACCTCGGCCGCTCTAAA

Sequence 3768

GCGGGCGGCCGCCGGCGGCTNTGGTGACTCTAGATAACCTCGGGCCGATCGNACGCCCCC
CNTGGCGGCGACTGACCCATTGCAACGTCTGCCCTATCAACTTTGATGGTAGTCGCCGT
GCCTACCATGGTGACANACGGGTGACGGGGAATCAGGGTTTCGATTCCGGAGAGGGAGCCT
GAGAAACGGCTACCACATCCAAGGGAAGGCAGCCAGGCGCNCAAATTACCCACTCCCGAC
CCCGGGGTAGGTAGTGACCTAATTAANAANAATNAANTAACANAAAAATATAGGTTCCNT
NGGCCCGCTTCTAAACTTAGGTGGGATTCCCCCGGGGCTTGCCAAGGGAAATTCNNAT
TATNCAAGCTTTATTGCAATACCCGTTCCNGACCCTCTTAGNGGGGGGGGGCCCCGGGTN
NCCCCAANCTTTTTTG

Sequence 3769

AGGTAAGTCTATAGGGAGAGAAGAAAGGTGGTTTCAGCTCAGGGCAGTTCTGGGGAAGGA
AAAAGAAGACCTGATCTATGAATGGCAGAGTGACGGCAGCAGCCCAAGACACACTCCACT
GACTTCAGATGTGAGGTTCTTCCCACTGAACTATCCTGCCTACCTCGCCTCCT
CCTGATTTGTATAGAGAAGTGGTCCCACTGTGAGGCATGTGTCTGGCCACTCTCTACAC
CTCACCAGCCTTCTCTCACTGGACTCTCCATTTCCCTTTCATCCCCTGAGCTTCTTGGA
CCCTTGCCCTGCCTCCCCTTCTCCAGGACTCATCTCCTGTAACCCTTCAACTCCAGTTC
TCCCAGTGACACAGAGCCAATTCTATCAATTCCTACTAGCAGCCTGCTAGTCTCCAGAAG
AAATACTCTTAGCAAAATCTGAGATAAAATCTAATCCCTGCCTAGGCCCTAAACCATGAA
ATATTATCAAACTCTACATAAGGCTTACAACTA

Sequence 3770

CCGGGCAGGTACGCGGGCCACCGGGCGCGGTGGCGCGTGCCTGTAGTCCCAAGTATCTGA
GACCACTGCCATGAGCCATCATGCTCAGCTAATTTTTTTTATTTTTATAGGATGGGGTC
TCACTATGTTGCCATGTTGCTCAGGCTGATCTCAAACCTCCTAGGCTCAAGCTAATCCTC
CTGCCTTGGCCTCCCAAAGTGCTGGAATTACAGGCATGAGCCACCTTGCCCCATCTGAAT
AAATAGGAAATTAATGTTCACTTCCAGCCCTAGACTGGAAGCTCCTGAGCCCCAGTGCTG
TGTCTGTTTAGGATCTATTGCTTAACAGATTGATGACCCTCACATAGGGAAGTTCAGTAC
CTN

Sequence 3771

GGTTTCTAAAAACATGCCTTTTAGGGGTTTGGCCTAACAAGGAGTGCTACCTTTTCCCT
ATTAACCAGCGACATTTTAAATGAAGTCATCTATGGAGGGGTGGAG

Sequence 3772

CCGGGCAGGTACTTTANGAGGACCCAAGCCGGCCAGANTNGCTTGAGGTCAAGGATTTTG

Table 2

AAAACCAGNCNTGGCTTAACATGGTGNAACCCCTTGTTNTNTACTAAAAAATTCAAAAAT
TAGCCGGGCATGGTGGCTCACGCCCTGTAGTCCCAACTTGCTTGGGAGGTTGAGGCCAAN
AAAAATCGTTTTGGAACCCAAGNANGGTGGAAGGTTTNCANTGAAGCCCAANAATCGG
NGNCCCAATTGNAANTTNNAANAATGGGGCCGACANNAACCCAAGGAACTTTCNATTTTT
AAAAATTAANGGAAAGGGGAAANGGAACCCANGGGAAAAANGGNAANGGCTTTTANTT
NTTTGAAACTTTNTTTTTTAAAAAANGGGAAAAAANGGGAAAAAGGCCCTTTG
ATTGCCCCCANCAAAANTTTTAAAAATTTTGGGCAANGGGTCCTTTNCAATTTTAAAGG
GGGGATTTTTNTTTTTGCCTTTCNCAAAAAAGGGGTTNTTTTTTAACCCCCCCCCC
CCCAAAAAATTTTTTAAAAANGGTTTCAAAAAATTGGCCCAACCTTTTCCCNAAA
NGGGGGGNTTAAAAAATTTTNTATTNCCCCAAAAATACNCTTTGGTGNTCCCCCAAA
ATTTTTTTTTTCAAGGTTTAAAAATTTTTTTTTGGGGNNAAAAAGGGNGGGGGTTTT
TCCCCNTGAAAGGGGGGGGCCNNATAAANAANAANTTTGGGNTTTTTAAAAACCTT
TTNNTTNGNAANAANAANCNTTTTTTTTTTTTTTAAAAANATTTTTGNAGGAAAAAA
TTTGTTTTGGGGGGCCCNCAAAAAATTTTTTTTTTAAAAACTTTTTTTTTNTT

Sequence 3773

CCGGGCAAGGTACTTTTTTTTCTTTTTTCTTTTTTTTTTTTTTTTAGACAGAGT
TTTGCTCTGTGGCCATGCTGGAGTGCAATGGCACGATCTTGGCTCACTGCATTCTCCA
CCTCCCGGGTTCAAGCAATTCTCCTGCCTCAGACATTTGAGTAGCTGGGATTACAGGCAC
ATGCCACCACAACCAGCTAAGTTTTTTTATTTTAGTAGAGATAGGGTTTACCATGTTG
GCCAGGCTGGCCTCAAACCTTTGACCTCAGGTTATCCTCCTGCCTCTGCCTCCCAAGTG
CTGGGATTACAGACATGAGGCACCACACCAGCCTCAATATTGCTTCTTAGTGNA
TATTTTGAATTCCTTTCCAGGATTTTGTAATTTCTTTTTGATTGGGATATGTTGCTG
AAAATTATTGTGTTGTTTGGAGGTGTCATANTTCCTTGCTTTTCATGTTTCTGTGTT
CTTACATTGGNAATTTGTGCATCTGTGGTACANTTGCTTTTTTCCAATTTTTTTGA

Sequence 3774

CCTTTCCCAACCCCCGGCCGGGGGTTTGGGGGCCCGGGGGCCCCCGGAAGGGGTTTAAC
CCCNTNTAAATTGGGAAATTGGTTTGGTTNGGGGGGGCCCCCAAGGCCCAAAAACNT
TAAGCCGGTTTAAAGNAAATTTCTTTGGGAAATTNCCAACCAAGGNAAAAACCAAGN
TGGGCCCCCGGAATTTAATTTCCCGGCCAAATTTTGAACCCCCCGGGGGGGGGGAA
AGGCCCTTTGGNAAGGGGGTTTGGGGGAAAGGGGGGGCCCCCGGCNTTGGTTTGGGGGC
CCCCAACCAAGGNCCCCCAAGGGTTCCGGGGGNAAGGCCCTTTGGCCAAAAAGGGTTTG
GGTTTTTCTTTGGGGGGGGTTTGGGGGNAATTCGGGCCNNGGCCAATTTAATTTGGGCC
AACCTTTCCAAAAAATAATTGGGCCTTCTTTTTTTGGGTTAAAAAAGGGGGGAA
AAAAAAGCCCCCAACCAAAANNCCAATTTGGTTTCNCCAAAAAAGGGGNGNAACCCC
CTTTGGAAGGGGGGCCCGNAACCTTTTTGGGGGAAAGGGGGGCTTTTGAAAAGCCC
CAAAAAAGNTTGGGGCCCAAGGTTTTTTTTNGNTTCCCTTTAACCCNGNAACCTTTCC
CTTTCCGGGGGNAGGGAAAAAACCCTTTTCCAAAAAAGGAACC
CGGCCCAAGTTNCCNAAAGGTTTGGGCCCTTTGGGGGGGNA

Sequence 3775

GNGGTTGGNGNCCGGGGGCTCCGGAAGGGGGTTTAAACGGCCGGNGGGGNAAAAACCG
GTTGGGTTCCCAAGNTTTGGGGTTNGGGGAAACACCTAGGGACCCCTTTGGCCCCGGTT
CCCTTAAGAAAAAATAAACCNCTTNGNCCCCAAAAAATTAATTGGGAAATTGGAA
ACCAATTTCAAAAAAGGAAAAAGGGGGTTGGGGGTTGGGAAAAAGGGCCAAAGNNGGCC
CGGTTTCNNGGGGNAAGGGGGGGGGCCCCCNCCCCTTTCAAAAAGGGGGGGGCCAATT
TNCCCCTTTGGGGGGGCCCTTAACCAACCNTTTGGGAAAGGCCAACCCCCAAGGGGGG
TGGGGGGGTTCCCTTCCCTTTCTTTGAAACTTTTTCAAAAANCAANGGCGGGAAAA
CAAACCCCCCAACTTTCCCNNTTCCCAACCCCTTTTTTCCGAAAACCGCCCCCTT
GGGGNGGGGGTTTGGGGGNCCAAATTTTTTGGCCCCCTTTCAAAAACCNNGNAACCC
CCAACNTTTTTTGGTTNCCAAAAAGGCCCTTCCAAATTTTTTTTCCCCCTTGGGGGTT

Table 2

AAATTGGGGAAACCAAAACCCNGGAAAAATTTTTTTGGGGGGCCTTAACCCAAGGGG
CCCCAAAACCAAGGGGGGGGTTNGGGGGNTTGGGGGAAACCCCTTCCAAATTTGGGG
GGGGGGCAACCAATTTGGGGGGCCCCCTTCCCCCAAAAGGGGGGAAGGGTTNAAAAG
GNAACCCCCCCCCCTTNGGGGGAAACCCCAACCCCAAGGGGGGGGGCAGGGCCNAAA
NGGGAAGGGCCAATTTAANATGTNAAGGGGGNAAAAAGGAAAGGNAAGGGAAGGGAACC
CCCC

Sequence 3776

AGGTACCATTGTCCAGGGAGCTCTGAAAAGCATCCTATGTCGCACCCCGGGAGAGTTTTA
CCACAACACTCTGAGCTTCTCAAGGTAAGGGCAGCTCCTGCCCTCCACTTTGGGAGTTT
GGGAGTCAGAGAATGCCGCCCGTGAATTAGGAATAATTGGTTCTCCTTTCTGGAGCCAT
GTTCGAATATTAGGAGACGGCATCGGTGTAAGCATCCACACACACGTTTCTCACTTCCGG
CCATTCTCTCTGCCCCCTGGTGAAGCTTCAAGTAATAGAGCTTTTTCTTTTCACTCCT
TATGCCAGAACATCACACCTACGTTCCCACTCTTCAATGAGGGGGCTATTTTAATGACT
TGGCTTTTCTTTTACTTAAATTTTGATCCTTGATTCTCCTTGCCCTCTTCTGTAGTCCA
ATGTTGATCTCTGTTATGGGGCGTTGGCTGCCATCCCTGGACTCCGGCCAGTCCGCCCTT
CTGGGGCTATGTACCTTGCCCG

Sequence 3777

CGTTTCCCCCTGGAAGCTCCCTTCGTGCGCTCTCCTGTTCCGNACCCTGCCCGCTTACNC
GGNATACCTTGTCCGCACCTTTTCTCCCTTTTCGGGNAAGGCGTGGGACGCTTTTCTTCAT
AGCCTCACGCCTGGTANGGTTAATCCTNCAGTNTCCGGTTGGTAAGGTTCCGTTTCNGCT
TCACAAAGCCTTGGGGGCCTTGTGGTGGCACCAGGAAACCCCCCCCCNTTTTCAAGCN
CCCGAACCCGGNCTTGCNCGCCCCCTTTTATCCCGGGTTAAANCNTAATTTGCGTTCA
TTTGGGAGGNTACCCCAAAACCCCGGGTTTTAAAGGAACCAANCNGGAANCNTTTATTT
CCGGCCCCCACCTTGGGGCCCAGGCCAAGNCCCCAACTTTGGGNGTTAAAACCAAGGGNA
ATTTTAANGNCCAANGAANGCCNGGAAGGGGTTTANTTGNTTTAAGNGGCCGGGGNGGNC
CCTTAACNAAGGAANNNTTNTCTTTTGGGAAAAGNTGGGGGTGGGGNCCCTTNAACCTTT
ACCNGGGCTTTTNCNCCTTTANCAAAGGNAAACANGGTTAATTTTGGGGGNTAATANT
TGGCNGACCCTTNTTGGTTTGGNAAAGCCCCNAGGTTTAAACCNNTTTNGGG

Sequence 3778

AGGTACTTTTTTTTTCTTTTTTTTTTAAAGAGATGGAGTCTTGCTCTATCACCCAGGC
TAGAGTGCAGTGGTGAATCTCGGCTCACTGCAGTCTCCATCTCCTGGGTCAAGGGATT
CTTCTACCTCAGCCTCCTGAGTAGCTAGGATTACAGGCACATGCCACCGTGCCTGGCTAA
CTTTTTGTATTTTAGTAGAGACGGGGTTCCACCATGCTAGCCAGGCTGGTCTTGAACCTC
CTGACCTCAGGTGATCCGCCTGCCCTGGCCTCCAAAAATGCTGGAATTACAGGCATGTAA
TTCCAACCTTAGACACTCAGTTTAAACCCTCTTATCCTATCTTCACTGGAAGAGCAAAGC
AATCTCCTACCTTGTTTTGTCAATAAGAAGGGAATATTATTAAGCCCCAGTAATCCTGTT
GATTACCATAGTGGGCATTGTTTCTCTAGAAGTAAAGTAGAATCTTTGGG

Sequence 3779

AGGTACGCGGGGGGTGGGGCCTTTGTCTCTGGCGGCAGCCGGAGCTTCTGGTGTAGTCTT
CACTGCTCTGTCTTCTGCTCCTAGAGGCCAGCTTCTGTGGCCTCGTTACCTGCAGGT
ATTGGGAGATCCACAGCTAAGACGCCAGGACCCACTGGAAGCCTAGAAATGTTGCAGGAA
TTGTGCCTTGGATCCATCCATCCAGTCAGCTGAAACCAGCAGCCCAGGACAAGTGGGCCA
GCCAACAGGACCTAGACCATGCAACCCAGCTGATCCTACGATGGAACCAAGGTGCCAGTG
AGATGACAACAGCCCTGCTCTGGTCACTCCGGAAGCTGACCAGTCCACGCACGGCTGAAG
CTTGAGGAGACAACAGCCCTGCTCTAGTCACCCCAGAAGCTGACTAGTCTATGCA

Sequence 3780

CCGGGCAGGTACATATTTGTGTAATGTAACTTGCTTGTTGATATGAAAACGTAGTTT
GAAAACGTACGCGGGGATTCCCCAGACCTTCTGCAGATTCTGTGGTTATACTCACTCCT
CATCCCAAAGAATGAAATTTACCACTCTCCTCTTGGCAGCTGTAGCAGGGGGCCCTGG

Table 2

TCTATGCTGAAGATGCCTCCTCTGACTCGACGGGTGCTGATCCTGCCCAGGAAGCTGGGA
CCTCTAAGCCTAATGAAGAGATCTCAGGTCCAGCAGAACCAGCTTCACCCCCAGAGACAA
CCACAACAGCCCAGGAGACTTCGGCGGCAGCAGTTCAGGGGACAGCCAAGGTCACCTCAA
GCAGGCAGGAACTAAACCCCTGAAATCCATAGTGGAAGGAGTNTCTTACTNACAGAAC
AAGCCCTTGCAAAAGCAGGAAAAGGAATGCACGGGAGGCCNGCCAGGGGGGAAAAACAATT
AATCGNAAATGGGAAAGTGAAATTTTGCCCCAAAAAATTACTGGAANAAATTTTCAGTCN
TNTTTAAAAACCCATGGGGCCTTGANAAAGCTTGAAAAANAATNGGGGATCATTTGGGA
CTTTAAAGNCCCTTNAATACCCCTTGTTNGCCCCAGAGCTTTTTTAAACCAGAAAGG
CCTTNCCAAAAA

Sequence 3781

AGGTAATAACCAAGTTGGGTAAATTTATAATATATTGTAACCTATAATATCAAAATTGG
AAAGTTTGAAGAGGCATAAAACACTTTCCTTCTCAAGCCAACCTTCTTACTTCTTTT
CCTTCATTCAATTGTGATACAAGAGTCCAGTTAGTAACACCATCGATTTCTTTTTTTTT
TTTTGGAGACCGAGTCTCACTCTGTTGCCAGGCTGGAGTGCAATGGCATGATCTTGGCT
CACTGCAACCTCCACCTCCTGGGTCAAGTGATTCTCCTGCCTCAGCCTCCCGAGTAGCT
GGGATTACAAGTGCCCAACCACCATGCCTGGCTAATTTTGTATTTTAGTAGAGATGGGT
TTTACCATGTTGGCCAGGCTGGTCTCAAACCTCCTGACCTCAGGCAATCTGCCTGCCTCG
GCCTCCCAAGTGCTGGGATTATAGGCATGAGCCACCACGTCCAGCCTCAACATCATGTT
CTTAATATTCATCTATGCTGACATGTACCTGNCCG

Sequence 3782

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTGGNAACCTCANTGTAATTTTA
ATGACCTCANACCAGTGACAAGGGCANACTGACCANGGGCTGTGGGGGGATCCCANAGCA
ACCTCGAGGGCGTCCCGGTGCTTACCACCTGGAAACTGGTGAGGTGGTGGGAGAACTCCT
GGTGACCCCTAGTGGAAGCCTTCCANTAATTTCTTGAAGCTNAGCNCTCAGGTGANTAGG
GCGACATCTNNTGGCCGGTGTGTTNAAGGTCAATGCAANAGGAAGGAAGCCCAGGAGGGG
AGCCTNCAGTGAGGGCGTCTGCGGTCTTCCGGTTTTNACCACCCTTTNGCCACCCCC
TNTANTTCAANACCCCAAGAGTTNGTTAAGTNAAGGGGGCGGNATTCCCNCTATCCC
TTNGGCCNGTTTTAAAAAATAGTTGGGATCCCCCGGGCCTTGCAAGGAAATTTTTAT
TTTTAAAGCTTANTTTGGATTACCCCTTNNACCNTTCTAAAGGGGGGGG

Sequence 3783

CCGGCCCGGGGGTTTGGGGGCCCGGGGGCCNCCCGGCCNCCCGGGGGGGGCCAAAGGGGG
GTTAACCCCAAGGTGGTTTGGGAAAAAACCAAAAAAAGGNTTTTTAAACCNCCAAG
GNNANAAAAGGNNCCCAAGGTTNTCGGAAAGGNAACCAAAAAAGNAAAAAATTTA
NCACGGNAAGGCCCTTCCAANGNGGGAATTGGGAGGGGGGGGGGAAANAAANAAGNAA
AAAAAAGGAGGCAATTTTNGGGAAGGNAAGGAAAAATTTTTTGGGTTTGGCCCCC
CCCCCAAAACCCCAATTTTCCNCCTTCCNAAGGGAACCTTCCCTTAAGAAGGGAA
AAAAAGGGAACCAACCCCGGCCCTTCTTTCTTCCCAAGGGGNCCAAAGGGGG
TTTCTNTGGGAAAAAAGGGCCTTCCAAAAACCTTCTTTNCTTTTAAATTTTGGGCC
CCTTTNCAACCTTTTTCAAAGGGGGGGTTAAATTAACCCCTTCCCAACCTTTTTT
TNAACCAACCAAAAAATTTAAAGGGGAAAAAATTTTTAATTTTAAACCTTNGG
GGGAAAAAAGGGAAGGGTTTTTGGGGGGGGGGGGGAACCCCAACCCCAATT
TGGGGTTTAAATTTTTTGGGGGGTTNGGGAATTTTTTAACCCCAATTTTTTTTT
TTAAAAAACCCTTCAACCCCAATTTTTTNAAGGGGGGAAAAAAGGGGTTT
TTNGGGCCNTTTAAATTTTTTNGGGGAAAAACCCCTTTTNTTTTTTAAATTTTTG
GGGAAATTTTTTNTTTTTTNGGGGGGGGGGGGGGGGAANGGGTTTAAAAAAGGG
GAAAAAATTTTTAAATTTTTTTTTTGGGGTTGGGGAATTTGGGCCAAAAAAN
TTNAAAAA

Sequence 3784

GCGTGGTGC GCGCCGAGGTACGCGGGCGGAGGGTGAGGTGGGAGGGTCTCTTGAGCTCTG

Table 2

GAGTTGGAGGCTGCATTGAGCTATGATCACACCACTGCACTCCAGAAAAATAAAAAATGT
AAAAGAACTTGAAGCCAGGACTTGGGGCGGGTGCTCTGAGTGCAAAAGACAGAAGATGCT
GTTATCCAAGGGGTAGAAGCANATTTGGGGACCCTGGACTTCTCTCTGCACTCAGCAAGG
ATGTGTTGACTTGTGAAGCCTGGTGTGAAGACTTGGCCCTCTTGGCCCTGGGGGGCCTTTC
TGCCAGGTCCCTTGGCCCGCTTGACTCACGCCCCCTTCCCTTACCCAANGAAGAGTTCCC
GGGTTTGCTTGATNCGTGGNTGCTTTGANTTAGGAGCCCTNGNGTTGGGTTGACAGCATT
GGACCGAGCGANGGTTGATNGGAANACNANCAAGNCAATTNTATTTCAAAAGGTCCAAA
GAACCTTACTNGGAAAAACCAAAANTTNCACCCCAACNGGTNGGGNCCGGGGCNATTGNC
NTTTGGGGGGGGGTT

Sequence 3785

AGGTACACTTCTGAAGAAAAACAGTATCATAGGAACCATTTCAAAGTTCTAGGAGCTA
ATCTTGAAACAGACCAAGCCTGGAGACCCAGTTGCACAGTTCCAGAGATGGCTTCAAGGT
GGCGAATTAACAACCCGGCCATTGTTGAGATGACGTGAGCCTGATGTCCAGGTGGACTGG
GACCCAAGGTGGCCACCAGAACAAGACACGAGGACATTGTGCCTGCCCC

Sequence 3786

NTGGGGGGAAGGCCCTTCCCCAACCCCCGGCCCCGGGGTTGGGGGGCCCGGGGGCCCCCGGA
AGGGGGNTTAACNCCCCTTTTCCAAAACCAACCAAAAAACNCCAANAAAGGGGGCCTTT
TTTTGGGCCCCCNAAAAGGNTTGGTTTTTCCCCAAGNAAAAAATTGGAATTGGGTTCCC
CANTTTTATTTTTGGGGGCCNAATTGGGAACCTTTCNCCAATTCGCCCGGNAATTTCCC
CNCCCCAAAATTTCCCCCTTTCNCCGGCNCCTTTCGGGGAAGGGCCTCNCCCCAATTAA
AAAAAAGGCCCCCCNAACCTTGGGCGGGTTGGGGGGAACCCCTTCCAATTTCCCAACCC
GGGAAAAAAGGGGTTGGGAAATTTTGGGCCTTCCCCAAAAAAAACCTTTCCAATTTGGG
GGGGGNCNCAACCCAATTTTCAAACCAAAACCAAGGGCCNTTTNCTTTTTCCCCCAAGG
GTTGGGGGGGGGCCAAACCAAAACCCCCGGGCNCCCCCCCCAAATTTCCCCCAAATTTNTGG
GGAAAAAATTGGGGGGGAACCCAAAGGGTTTTTTTTTCAAAAAAAAATTGGGCCCCCC
AACCAAAAAATTTCCCTTTTTTGGGGGGGGGGGGAAACCTTTTGGGAAAGGGGGGGGGG
GGTTNCCCCAAAGGGAAAAATTCCTTTTTTTTGGGCCCAAAGGNCCAAAGGGTTTTTCCC
TTTTCTTTTTTGGGGAAGGGGGGGTTGGGGGGCCCTTGGGAAACCCAAATTTCCAAAT
TTTTTGGGTTTGGGGGGGGCCCGGGGGGGGAAAAAGGGNAAATTTGGGTTTAACCCCCCTT
TGGGCCCCCCCCCCGGGGGGGGGGGGCCCGGGGGGGCCCCCGGGCCTTTTCNNTTAAGGGA
AAAAAACCTTAAAGGGGTTGGGGGGGNAATTNCCCCCCCCCCCCCCCCGGGGGGGGGGCC
NTTNGGGCCAAAAGGGGGNAAAAATTTTCCC

Sequence 3787

GGAAGGCCCTTNCCCAACCCCCCGNCCGGGTTNGGGGGCCCGGGGGCCCCCGTAAGAG
GGTTANCCGNCNCGGGGGGGGCCCTTGGGAATTTGGGGGGGGGAAAAAGGGGACCCCTT
TGTNCCTTTTTGGGGGNAATTTATTTTAAAAACCAAAAAAAGGGAAACCTTCTTTTTTC
CCTTTTNGGCCGGTTCGTNCCCTGGGCCTTTTCCAAGGGGTNAAAACCTTTTCCAAA
ACCAATTCCTTTCCCCGGCCTTTGGAATTGGGNAAGGCCCTTAAATTAAAAACCTTT
GGGTGGGGAACCAACCCCTTCCCCCTTGGGANCCNTNCAACCAAAAAATTTCCANTTA
AATTTAATTTCTTTCCCCGGGTCCCAAAAAATTTTAACCTTTCTTGGGGNGGGGAA
GGGAAAAAATTCCAANAATTNGGGAAAAAAAACCAATTTAAATTTTTTCCAACCCCCA
AAAATTTGGGTTTCCAACCCCTTGGGTTNGGCCCTTTAAAAAAAATAGGGGGGGTTTT
NCCCTTGGGGGTNCCTTTTTTTCCCCCTTCCCAAAGNTTTGGGCCCGGAAAAATTGGGG
GGGGAAAGGGAAAAAAAAGGGCCCCCCCCCAAGGGNAAAAAAAATTGGGGAA
AAATTTGGGGAAATTAACCCCTTAAATTTAAATTTTTTTNGGGGGGTTTTTTTCCA
ACCCCAAAATTTNGGGGGGGGAAAAAGGGGGGAAAGGNCCCGGCCCTTCCCAAATTTNG
GGGGGGGGGGGGGGGGCCCCCTNNAAATTTAATTTNCCNACCCCCCNNTGGGTTAA
NTTTTTTCAAAAAGGGGGGGGGGGCCCCCTTAAATTTGGNTGGGCCCCCAAAANCCAAA
AATTTAAATTTGGGGAANCCCAANGGGNAAAANCCCCCTTAAANCCCTTGGGGGGGGG

Table 2

GAAAAACCCCTTTTTTCTTTGGNAAAAGTTTGGGG

Sequence 3788

AGGTGATTCCCCAGACCTTCTGCAGATTCTGTGGTTATACTCACTCCTCATCCCAAAGGA
ATGAAATTTACCACTCTCCTCTTCTTGGCNGCTGTAGCAGGGGCCCTGGTCTATGCTGAA
GATGCCTCCTCTGACTCGACGGGNGCTGATCCTGCCCAGGAAGCTGGGACCTCTAAGCCT
AATGAAGAGATCTCAGGTCCAGCAGAACCAGCTTCACCCCCAGAGTACAACCACAACATT
CCAGGGAGACTTTGGCCGGCAAGTTAGTTCAAGGGGACAGCCAAGGGTCACCTCAAGNCA
GGGCAGGNAACTAAACCCCCCTGGAAATCCATAGGGGGGAGGAAAAAGTATTTTTACTA
ACAGNAACAAGCCCTTGNNAAAGCAGGGAAAAGGNAATGCACCGGGAGGGCGTGCCAGGT
NGGAAAACAATTCATCGA

Sequence 3789

TGGGGGAAAGGCCCTTNCCCCAACTCCGGGCCGGNGGTTTGGGGGCCCGGGGGCCTCCGG
GAAGGNGGTTTAAACCCTTTTTNTNCCCNCCCCAACCAACCNCCAAGNCCCNNGGTTT
GGCCNCCGGNAACCNNTAANCGCCAACCGGTAAACCGGCCCGGGGTTAAAAATTACCTT
NCNTTGGGAATTNCTTTTTCCCTTTGGTTGGGGGGGGGGCCCTTTTNGGAAAAAGGGG
GCCGNGCCGGGGGAAAGGGGGAATTNAAAAGGCCCAAGNGGGGGGCCCGGGGGGTCCAAN
GGTNAAGGNCNCCCGGCCAAAAACNCCGGGCCCTTTTCCAAAGGCCAAAGGCCNTTT
TTCNTTTGGGTNNTTNCCCCCTTTTGGGGGGAAAGGCCCCCCANAAAAAGGCCCTTTGGGGG
CCGGGTTTTTAAACCCCNCCAATTTTCNNGGTTTTTGGGGGGGGGAAATTNTCCCGGGGG
GAAAGGGGGGGGGGGGAAAGGGAATTTAACCCGTTTTTGGNCCCAACCCAANAAGGGTTTT
TCCCTTTTCCCNCCAACCCAAACCTTTTTTAAAGGCCCTTTNGGGGGGCCCAAAAGGTCC
NAAGGGGGGAAAGGGNAACCCCCCCCCCNTTTTTTTCTTTTCCGGGGGGGGAAGGGG
GGCCCAACCCCGGNAAAAAAACCNCCCAAAAAAANAACCNAAAGNCCCNCCCTTTAA
NGTNAAGGAGGGGAAACCCAAAAAANAATTTGGCCNCCCNCCGGGGCCNGTTTTAAC
CCCCCTTTGGGCCCCCCCCCCGGGGGGGGACCCGGGGGGCCCCCGGCCNTTTCCNTTTAA
AGGGGAAAAAACCTTTAAGGGTTTGGGGGGGAATTTCTCCCCCCCCCNNGGGGGGGGGC
CNTTNGGCCCAAGGGGGGAAAAAATT

Sequence 3790

GGCCCCGAAAAATTTGGGGGAAAGGCCCTTCCCCCAACCCCGGCCGGGGGTTGGGGNCC
GGNGGCCNCCGGCNCCCCGGGGGGGCCAGGGGGTTAACCTTTTTTAAGGGGGAAGGNAA
CCCCCCAAGGGGNCCGGGGGGGNCCAAAGNNAATNTGGGCCCTTGGGNAAGGGGGT
TCCAAGGGGGAAAGNTTTTTGTAAGTAACCCCAANGGCCNCCTTGGGGCCTTAAAAAC
AATTGGGTNGGAAAAAAACCCCTTTGGTNCTTCTTACCTTAAAAAAAATTAACCA
AAAAAAAATTTTANGGCCCGGGGGGCCAATTGGGGTTGGGGGCCTTTNACCCGGC
CCCTTGGGTAAAGGTTCCCCCAAAACCTTGGGCCTTTTGGGGGGGAAAGGGGTTTTGG
AAAGGGGGCCAAAAAGGAAAGGAAAAATTCNCGCCCTTTTGGGAAAACCCCCAAAGNG
GNAAGGGGNTNGGGGNAAGGGGGGTTTTTGGCCCAAGGTTTGGGAAAGGCCCCCCGGG
AAAGGAAATTCCTGGGCCGGGCCCAACCTTTGGCNAAACNNTTCCCCAAAGGNCCN
AATTGGGGGGGNCCCGGAAACCAAGGGAAAGGCCCAAAAGGNAACCTTTCCNCCA
ATTTCTTTCCAAAAAATAATTTAANAATAAGGTAAAAANAAGGAAAAAAAAGG
GTAAAAAACCCEAANAANAAGGTNAAAAAAAGGGAAAAAAGGGGCCCTTTT
TAAATTTAAATTTTGGGGAAAAACCTTTTTCCNTTCTTTAAAAAAGGAAAGGAA
AGGGGAAAAAANAANAACAATAGGGGNAAAAAAAGGGGGCCCCCTTTGGGGAAA
TTGGGCCCAACCCAAACCCAAAAAATTTNCTTTTAAAAAATTTTTTNGGGG
GCCAAAAAAGGGGTTCCCGNAAAATTNCCAAA

Sequence 3791

CCGCGGTGGCGGCCGAGGTACCTGTTGCCATACCACACAGATGCTTCCAATTCCTACCA
CAGGTAGTTTTCTTCTCTTAGCACAGGAATCTTGTTCAAACACAAGTGTGAATATCAA
TTTGAAGTCTTCAAACACTGAATTTTTCTTCTGTGTTTTCCATCCACCTGAATCTTG

Table 2

TGGTCACCTTTTCCACTAGGATGAAGTGAACTTTTTCAGCATCTTTTAAGGCAATATCAA
CCCAATGAGATAATTTTCCCTTTCCCGCTCCAAACTCAACAAAGCATCTTCTTGACC
GTAACTTTAAATTTTCAATGTTACCTGCTGTTTCAGGTGCTTGGTTGCAGAAATCGCCATT
TTTAGGGTCATTAAGTGCATCGTGAATGCTTCACTTGCTTTTCTCAATTTCTTAATTAA
CTTTTCCAACGCTCTTCAGATAGAGAAGAAATTGGAACAAATTGTTTCAGGTATTTCTGT
TTCATCTCTTAAGCCTGCATTAAATATCTTGAATATAGAAATCAGGTTTTGGTTTCTCTC
TTGAGTTACATTTTTTCAA

Sequence 3792

[illegible]

Sequence 3793

AGCTCCACCGCGGAGGNGGCCGCCCGGGCAGGTCCTCTTGAAAGTGCCAGGCAGTATTTT
ATTNTAACTATGTATTNGTTATGATTCTATCTTAGGGCCATGAAATGACAAGCATTGGA
CTGCTACTTGGTGTTTCTGCTGCAAACTAGGCACCATGGATATGTCTATTACTCGGCTT
CTTAGCATTGCGATTCTGCTCTCTTACCCCCAACGTNCACAGAGCTGGATGTTCTCAC
AAATGTCCAAGTTGGCTNGCAGTNGGTTTGGCATTGGGCTTGTATATNAAGGGGGACAG
CTCTACAAGACATACTGCAGCAAGTTCCTGGTTGGGCTGAAGATAAGGGACCGGCCCTCC
CTGGGTCCCTGGAAAATGGGAAATNACTTGGCAACTTGACANGAANAAGTTCNATTGCC
TCCCCTTAAGCCTGGCTTGGGCTTTTNGGCCCCCTGGGGGCAATGGGAACATGCNTTTGG
GGGGGCCAATGGGGCAAGCCAAANTTTGGAATAAGGGGTAATTGGTCCTGGATTCTTC
AAAATNGTGCCCNTTGGANGCCAAGGCNTCTTANTTCCAAGGTTACCCCTTCTGGGCC
CGGTTTCTTAAGGNAAACTTAANNNTGGGATTNCCCCCGGGGNCCTTTCANNGGGG
AAATTTCNAAATTAATCCAAAGNCCTTAATNNGGAATNACCCCGGTCNAAACCTTTT
NAANGGGGGGGGGGGGCCCGGTATCCCCAACCTTTTTTGG

Sequence 3794

CGGGGTTGGGGGGCCCGGGGGCCCCCGGGCCCCCGGGGGNCCAAGGGGGTTTAACCCNC
CCCGGAAAAAATTTTTTCAAATTCNCCGGNAAGGTTGGGGNTNCCAAATTNCCANCC
AAGGTTNCCCCCCCCCAGGAAAGNGGTTNGNAATTTGGAAATTGGNCCCTTNGGGGNAAGG
GGCCCCGTTGGGCCAAAGNCNCCGGGGGNAATTCCCCAAGGGGGTAAGGTTTTCTTNG
GTTGGGAGGGCCAAAGGCCNAACCTTTACCCCCAATTTTGGGTTGGCCCTTGGGAAAAAG
GNNGNCCAAGNCCCCCAAGGGGGNAAGNGGNAAGGTTGGNTTGGNAATTTAAAAAAANT
TAANGGGGCCNCCTTGGGCCCAATTACNCCAATTTTTCTTTTCCCTTTGGNAAGGGG
GAATTTGGGTTGGGGTTNCCCCCCCNAATTACTTTTAAGGGGGGGGGGAAAAAAGGGGGGC
CTTTGGGGGNAACCTTAAGGCGGNCNCCCTTTTTGGGGCCGGGGGGCCATTTNCNCCA
TTTCNNAAGGGGGGGGGNAACCNNTNTCNAANNTGGGTTTNGNGGGGCCACCCCTTTTTTA
ACCTTTTGGGGGGGGGAAAAAGGNAAAGGGGGGGGNGGGCCCCCTTTTCAAAAAAANTGG
GNCCCAACCCCCAAAATTTGGGTTTCCANAAAGGGGGGGGTTTNTTCAAAAAAGGAA
AAATATTNGGGTTTTTCCNCCCTTGGGCCATTTTTTTTTTCCCCCCCCCCCCAANAGGGGT
TANCCCCAANAAAAACCTCCAAACCAACCCCCCNAAACCAACCTTTCCAAAAGGNAAT
TCCCCCTTTTCCCTTTCTAAATTTTCCAANCCAATTTCTTGCCCCAANAGAAAATT
TTCTTTCCCCC

Sequence 3795

Table 2

ACCGCGGNGGCGGCCCCGAGGAACTANGAAATTTTTTTTTTTTTTTTGGCCACAGGGCNT
GGANNGGGAGAGATACANACAAAANCTTTTTNTNTANTTCCATAATTTCTTGATGGAC
ATGTTTTTCTCACTGNCCTTCTGTCATGACCTTTGGCTACTGCCATCTACAAAGTCCTCT
TGAGTGACATGGNACTCNCTCGTTCTCNCAGGGCATAACATGCCANCATTTCTGTGCACAC
CGCCCTTCACTTTNAGCCCCCTGGATTGCTTCCTGGC

Sequence 3796

AAGGCCCTTCCCCAACCCCCGNCGGGGTFTGGGGGCCCGGGGNCNCCGGCCCCCGGG
GGGGCCCANGGGGGTTAAACCTTTTTTGGNAAGGGGGGAAAAAANGGGAAGGGGCCTT
TGGTNTNAATTTTTTCCCTTTTGGGTATTAAGAAAAGGGGGGTAAATTCCTTNGGGGG
TTCCAAATTCCTTTTTNTTTTCCCTTGGGCCTTTCCTTTGGGTTTGGGTTCCCTTTTTTN
GNTNTNTTAAATTTGGGCCTTTCCTTTCTTTTGGGGAAGNNAAGGNTNCCAAATTTGGG
GGGTTTTTCCCCCCTTTTCNTGGGCCAAACCCCCCTTTTGGGGGGGGGCCTTTTNGGGG
GCCCCCCTGGCCTTGGGCCCGGGGGGGGGGGGTNAAAGGNCCCCCCCCCTTNGGGTTNT
TTTTTCNCCCCCAAAGNNCCAAATTGGGGGGGTGGGGGGGGGAACNCCCCCCCCCT
TTGGGCCTTTGGGGTGGGCCCCCCCTTNCNCCCAACCCAAATTACCTTTGGGGTGGGNTG
NTTNCCTTNCNCCCAAATTACNNTTGGGCCTTTCCTTTGGGGGGGAAAAATTGGGCCCCC
CCNTTCNCCCCNTTNGGCCCCCAAAACCCGGGCCCAACCCAAAGGNAAGGACCCTTT
CCTTTTCNCCCAAAGGACCCCCCTTTCNNGGGGGGGGGGGGAAAAACNTTTTTGGGNG
CCTTTGGGCCTTTTTTTTTTGGGGGGTTTTTTGGGGGGGNNAAAAAAAATTTTTCCCC
CCCCCTTTTTTGGGGGGGGGAAATTTTTNAAAAAGGNNCCCGGTTTTCCTTTTGG
GGCCCCCTTTTTTCCCCCGGCCCAAAAGACCAAAACCTTTTTTTTCCCTTTAAGGGCC
TTTCCAAAGGAAAAGGCCAAGGGGGGNCCTTTCCAACCCAAGGNAACCCCCGGTTTGGNT
TTGGGAAAGTTTGGTTTCCCCCTTTTNGGGGGG

Sequence 3797

CGCCCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGA
GACCAGCCTGGCTAACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATTAGCCGGG
CATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTG
AACCCAGGAGGTGGAGGTTGCCAGTGAGCCCGAGATCGCGCCACTGCACTCCAGNCATGG
GCCGACCAGGAGCAAGGACTCCCATTCTCAAAATAAAGTAAAGGAAAGNAAACAAAGTAA
AAGNAAAAGCCTTATATTTTGAACCTTCTTCTTAAAAAGAAGGAAAAAAGANAAGCCTG
ATGCCACACCAAAATTTTAAATTTTTTGGGCAAGGTCCGGATCCAATTTAAAGGGATTATTT
TATTTTGCCATTACCAAAAAAATTAATTTCTTTTTACTCCCCCCCCAAAAAATCAATTAA
NAAAGTTCAAAATAGGCAACCTTTTTCTTAATGTGTTTAAATGTAATTCACCCAAATA
CATGTGTCCCCAAC

Sequence 3798

GTAATAAAAAAACTGGAGGGGAGGCCAGGCACAGTGGCTCACACCTGTAATCCCAGCAG
CACTTTGGGGGGCCAAAGGCAGGTGGATCACGAGGTCAGGAGCTCGAGATCATCCTGGCTA
ACATGGTGAAACCCCATCTCTACTAAAAAATATTTTAAAAAATTAGCCGGGCGTGGTGGC
AGGCGCCTGTAGTCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATGGCGTGAACCCGAGA
GGCAGAGTTTGCAGTGAGCGGAGATCGCGCCACTGCACTCCAGCCTGGGCAACAGAGAGT
GAGACTGTCTCAAAAAAATTTTGGAGGGAGTGGAAGTTACATCAGATAAGGATACA
TGTAAGAAAGCCTCAAAAATTAATANACTAATTAAGAAATAATGGTTAAATAACAAGAA
GTCAGGCCAATTAATCAGAATAATGAATCTAAAC

Sequence 3799

CCGGGCAGGTACGCGGGGCCCTTTTCCGGTCCGGCGTGGTCTTGCGAGTGAGTGTCCTCG
TGTGCCCGGGCCTGCACCATGAGCGTCCCGGCCTTCATCGACATCAGTGAAGAAGATCAG
GCTGCTGAGCTTCGTGCTTATCTGAAATCTAAAGGAGCTGAGATTTTCAAGAGAACTCG
GAAGGTGGACTTCATGTTGATTTAGCTCAAATATTGAAGCCTGTGATGTGTGTCTGAAG
GAGGTATGATAAAAGATGTTTGAAGNTGTTGATGAAACAGTGTGGNATCCCTACTCTT

Table 2

TNGATCCTGGGGAACCCANCAACCAAGGCAAAGAAAGCTTTGGATTGAAAAGCCTATGGTN
AAAAAAGCTTGNGTTCAAATTTTCGGCGGAAGGTTGAACCGCCCGTCTNTTGAGACTGC
CAGTTTGTAAAGCAAACCTTTTTCCACCGGGGATGGGGATTAAAGGAAATACTCCTT
GCCANGANTAACGCCANTGGTATTGCCAAGCCCCTTTATTTAAAAAAGNTGGGGCCAGC
CNTTNTTTNTGGGGGGCCCATCTCCANNNTACNCTTNNGGGCCCCGCTCTTAANAAACCT
AAGGNNGGGATTCCCCCCCCGGGGCCTTTGNAGGGGAAAATTNCNNANTATTCNAAANGC
TTTTATTCCGNATANCCCGGNCCNACCNTCGGAAGGGGGGGGGGGCCCCCGGGGTACC

Sequence 3800

GCTCCACCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGAACACGGTCAAGTTNCTGCTG
NNGGTCTACCTGAAGAANNTAACCTCTTNTNCACCTGCTCCCCGGCTGNCCGNACCTT
CCGGGCCCTTCGCGGCTGAATTTCTTTTCCCCCTTGGTCTTCTCCTGGGTCTGGCCATCT
NCAGCGTTCCTTGTACAGCATNTTCTTGATCCCGCCTTTCTAAGCTTTGTGGTCC
ATNCCGGGGGCAAGATCTGTTNCATCTTGGGCCANNATCCACTGAGTTCTATTTATCAA
GGCACTCCCTTGGAGGACCACCCCAAGNATTNCCNTNNTTCTTNTCTNNGGGGAACCCC
AAGGCCTTTTGGCTTGTGCNCCNNTTTCTTGGNTGGATCCTCACAANGCATTCTTGA
ATNNGGCGGTAACCTTTTCGNGANNCGNCTTCTTGNAGNAACTNAGNTNNGGNANTCCC
CCNCCGGGGGCTTGCNAGGGAAAATTGCCGATTANNTTCAAAGGCCTTTANTTTGGA
TNTTANCCCGGTCCGACCCCTTCTTAANGGGGGGGGGGACCCCCGNGGATAACCCCCC
AANGNTTTTTTGGTT

Sequence 3801

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAANAGGGTCTCACTNTGTC
ACCCAGGCTGAAATGCAGTAGTGATTTTGGCTCATTGCANCTTGACTTCCAGGCTG
AAGTGATCCTCCCGCCTTANCTNCTGAGTAGCTGGGGCTACAGGNATGCNCCACCATTGC
TGNGCTAATTTTGTATTTTGTANTGGNGGGATTTCCGCCATATAACCTGGCCTGGT
CTGGAACCCCTGGGCTNGGGCGAATCCGCTNGCTTTAAGCTTTNTTAAANNGCTTGGG
GATTACNAGGNCNTGGAGCCACNANCTNCCCAANAGCCTTGTGAGNTTNTTANAGGG
AGGGAAACAATATTCTNCAATTCTGAAAAACAAACCTTNAAAAATGGCCCAAAACCA
AAAACCTTGGNAGTTTANGCCCCCCTCCTCCTGATACTTGGNTGGGTAATAANTAATTT
GGGGAGGNTAAAAANAAACNCTCATTTTTTGGTCCNTTTGGAATAAAAAAGGGGGATTTT
GCCAATTNGCCTTTTGAATAATTTGCNAAAAAAAACCTTTTNAATTTTCTTTTTT
TNGGGGNTTNGNCCCCCAAANTNGNTGGCCAAAGNAANTTTAAAAAAATTNTNATTTT
TTGGGATAAAAAATTTTTTNTAANCCCANAGGCTTTTACTTNGGCTTTTTNTTTN

Sequence 3802

CGGCCGCCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGT
TTGAGACCAGCCTGGCTAACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATTAGC
CGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCG
CTTGAACCCAGGAGGTGGAGGTTGCAANTGAGCCGANAATCGCGCCACTTGNACTNCAG
CATTGGCGGCGACAGTAGCAAGACTCCCATCTCAAATATTAGGAAAGTAANAGTAAANC
AAAGGAAAAGGAAAAGGCTTATATTNGAACTTCTCCTAACAAATTNGAAAAANAAAGAAA
AGCCTGGATGCACACANAATCTAAATTTTGGCCAAGTTCNGATCCAAATTAAGGGNTA
TTTTATTTTGCNNTNCAACAAAAAATNAATTTCTTTTACTCCCCCCCCCAAAAAANTTC
AATTAAAAAAAGTTTCAAAAATAGGCCNAACTTTTTTCCCTTAAATTGGTGGTTTTT
AAAAATGNTNAAATNNCACCCCCAAAAATAACCATTGGTGGTGCCCCCCCCAACTTTT

Sequence 3803

CCGGGGGGGGGGGNAAGNTTCTTTCCGGCTTCTTTGGTNCAACCCCCCAAGGGGNC
CTTGGGGAAGATNGGCCAANNTTNGGGGGCCGGNCCCCAATTCNTTCNNGGGGCCTTCAA
CCATTGGCCAAAAGGGCGTTCTTTGGCGCTTCCCCGGGGTGGGTTTTCAAAAAGGCCG
GAAATATTCCTTCNCCTTGGGCCCTTCCAAAGGCNCTTTNCTTAAAGGATTANGGCC
TTTAAGGGGAATTTTAAACCAAGGGGCCGGGCCGGGTTCAAACCCCAACCGGCC

Table 2

TTTTGGGGCCTTAAAAATTNTTTTTTGGGTAAATTTTTTTTTTAAAGGGTTAAAGGNA
AGGGCCCCCGCGAAGGGGGTNGTTTTCCAACCTCCAAAAAGGNTTtagggggttccaaaa
AGGNAATTGGGGGGTTCCTTCCAAAAAAACCTTTTTNCTTTGGNACCNCCTTCCGGTTG
GGAAATTACNCCCGGCCNCCCCCGGGCNCCTTCTGGGGGGGCGCCCTTTCNCCCCCAA
AAAAGGCTTTGGTCCCCCGGGGGGGGAAATTTTAACCCANAGGGGGCCCGGGTTNGGAA
AGGGCCCCCAACCCCCCGGGCCNNGGCCCCCGGGGGGGCCCCCGGGCCTTTTCCTTTAA
GGNAAAAAACCCCTTTAAGGGTTGGGGGGGNAATCCCCCCCCCCCCCGGGGGGNNCCTT
TGGGCNAAAGNNGGGGAAAAATTTTTCCGGCAAATTAATTTCCCAANAAAGGGCNTTTTT
AATTTTCGGGAAATTANCCCCGGATCCNGGAACCCCNNTTCCCCANGGGGGGGGGGG
GGGGGCCCCCCCGGGGTTTAACCCCCCNAAAGNCCTTTTTTTNGGGTTTTCCCCCT
TTTTNANGTTTGGGAAAG

Sequence 3804

GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTCCCAGTCTTCGGGAGGACTTATTA
AAACAGATTGCTGGGCCCTACCCAGAGTTTCTGATTCTGTAGATCTGGGGTGGGGCCTG
ATAATTTGCATTCTTTTGTGTTTTGTTTTTAAAGATGGAGTCTCTCTTTTCGCC
AGGCTGGAGTGCAATCTTGCTCACTGCAACCTCTGCCTCTGGCGCCAAGT
GATTCTCCCGCTTACGCTCCCTAGTAGTTGGGACTACAGGTGCAGGCCACCACATCCAG
CTAATTTTGTATTTTAGTANAGATGGAGTTTACCATGTTGGCCANGCCTGGCCTCAA
ACTCCTGACCTCAAGTGATCCACCCGCTCAGCCTCCCAAAGTGCTTGGACAGAAGAAT
CACTTTGAACCCAGATGTTTNGAGACCAGGCTTATGCAACATANTGNGCCCCACTATTTA
TATTTTTTTTTAACTAA

Sequence 3805

CNGGAGTTTGAGACCAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAA
AATTAGCCGGGCATGGTGGCTCAGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAG
AGAATCGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTC
CAGCATGGGCGACAGAGCAAGACTCCATCTCAAATAAAGAAAGAAAGAAACANAGAAAA
GAAAAGCTTATATTGAACCTNTCTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAA
TCTAAATTTGGCAAGTCGATCAATTAAGGATATTTATTTTGCATCACAAAATAATTCTT
TACNCCCCCAAAAATCAATAAAAAAGTTCAAATAGCAACTTTTCTAATGTGTTAAAA
TGGAATACCAAAAATACCATGTGTCCCCCACTTNTTTCCAGTTATAAATTTCTATTG
GNGTAAAGGTGAGGGGTATACCCTGAAAGTTNGNGGCAATAAANGAAGAGTTTGANGC
CTTTAAGACCTGGCCCTTGGGAGGNGGAAGCCGNGGTTTNTTTTTAAANNTCTTNG
ANGGAAANNNGGNTTGGGGGGGGCCACAAAAATTTNTCTCAAATCTTTTTT

Sequence 3806

TCGGGNAAACCTTGTNGTGCCAAGCTGCATTAATGAAATCGGGCCCAACCGCCGCCGGG
GAGGAGGGCGGTTTTGGCGTATTTGGGCGCTTTCCTCGCTTCAACTTGGAC
TNCGCTTGCGCCTCGGGTCCGTTCCGNCCTTGC CGCCGAGCGGTTNTTCAAGCTTCACTC
AAAAGGCCGGTTAATACCGGTTTATTCACCAGAAATCAAGGGGGATTANACCGCCACGN
AAAAAGTAACATTGTTGAAGCCAAAAAGGGCCAGCCAAAAAGGGCCAGGGAAACCCNT
AAAAAGGGCCCCCGTTTTGCTGGGCCG

Sequence 3807

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCAGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACA
GAGCAAGACTCCATCTCAAATAAAGAAAGAAAGAAACAAANAAANGAAAGCTTATATT
GAACCTCTNTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATCTAAATTTTGGC
AAGGTCGATCAATTAAGGATNTTTATTTGCAATCACAAAAATAATTTCTTTACTCCC
CCCAAAATCAATAAAAAAGGTTTCAAATAGGCAACCTTNTCCTTAATGTGT

Table 2

Sequence 3808

CACTATTTGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACGCGGACAAAAAATAC
AAAAATTAGCCGGGTGGGACACGCCTGTAATCCCAGCTACTCAAGAGGTTGAGGCAGGAG
AATAGCTTGAACCCGGGAGGCAGAGGTTGCAGTGAGCCGAGATCACACCACTGCACTCCA
GCCTGGGTGACAGAGCGAGGCTCCGTCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAATTGTTTTAGCGCTGGGTTTCCCAAGNGGGGAGAGGACAGACCCAAGCCTGGAGCCT
GGCCCCCTGGCCTGTGTGCTGACTTCTTGGGGGTCCCTTAAACCCANTGGNATTTTTCNTG
TNGGAGCCCTGTTCAAACCATNAGCCAACAATCTCCTTCANTAAGTGGGAAAAAGTTATT
TCCTGAATCCGTTTCCACCAAAAGCCAAGTTAGTTTTTTTTCNTNCAACTCTCAATGTT
TAAACCAGGAATNAAAAGAAAAAGGGCTTNCGTATTTCATGGCAAAAAAACCTGG
CTTCTTTNTTAAATNNGGAAAAAA

Sequence 3809

CCGGGCAGGTACCTTAGCATCATCTGGTCTGACCTTCCACTTTGCAGATAAGGAACTGA
AAGCTAGGAAGAAGAAGGGATCCACACAGCAGGCCTCCACTTCTTTCTTCTATAATAGA
CTCTCTTTGCAATAAAGAAAAATGCGTTTGACATACATCTCCAATGTAAGCTGTATGC
AGCAGGTGCAGTGGAATGCTACAGCAGTCACATACAGCACTAAGGGACCCAGTGGCTG
AAAGGGGGTCAAAAAAGACTTCATCTGAGAGGTGACTTGGACTAGGAGGGGCAAGTTAGA
AGTTTTAAGGGAAGATGTGCCAGGAAGGCTAACCTCTCACCATAATACATACCCCCCATC
TAAGTCAAAGTTGTTGCTGGGAAGCCACTATGTGGAGACTGCACATCTGGCCTCTCT
GCATCCAGGGTGGGGGCCACATTGATTACCCAGTTNGGCCCAANAANGACCGTTGAGC
CAGGGANTTGATTGTGGTGTTCAGTTTAAAGANCCAAAGGGCAAGGGTAAANAAAAGCAA
NCCCGNTGCCCTTTTTNCANTCAGGNCCCTTTTTT

Sequence 3810

CGTAAAAGGCCGNTTGCTNNGCCGTTTTTCNCATAAGGCTTCCGCCCCCTGGACGAG
CATTCACAAAAAATCGACCGCTCAAAGTTCAGGAGGTTGGGCGAAAACCCGACCAGGGA
CTATAAAGAATACCAAGGCGGTTTTCCCCCTGGGAAGCCTTCCCTTCGTGGCGCTTC
TTCTGTTTNCGACCCCTTGCCCGCTTTACCCCGGGATTACCCTGTNCGNCCTTTTCTTC
CCTTTNNGGGGAAAGCGTTGGGCGCTTTTCTCAATANCTTACGCCTTGTTAAGGTAAT
TCTTAAATNTCCGGGTGTTANGGGTCCGGTTNCGCTTNCCAAAACCTGGGGGCTTGTT
GTTGGCAACCGAAAACC

Sequence 3811

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGTTTCCCCACACCAAGTCGCCGAGCCG
CAGACTCACAGCCGCCATCTTACCACCAACCACCGCCCCCGGTACCT

Sequence 3812

AGGTACGCAAGAGCTACCCACCTACCTGACCCACCACTGGNATTTCCAGAACCCAGGCA
AGCCACCTGAAAAGAGTTGGTCTGCCTGGAGTAGCTAACACTGGTGCTAGTATACATCAC
CTTGGTGCCCAAGAACGGGCATGCCAGCCTACTGTAGCCACTGCTGGGACCCGAAGACT
GGCCCATGTATCCCATTCGCCAACAACCTTACCACAGCTTCCACTAACACCATGC
TAAGCCACTGAGTAAATCACAGACAAAAATGATGCTGTTTATAGTTGAAGAAATCATACA
GCGATTACACTACTGCACATGCCAGAATCAAAGCCAAAGCATCCTACCCAATGAACACT
ATGCATACATTTTACAGGAAAAAGTCTCCCTATGAAAGCAAATTCAAAAAATTGAAAAA
GCAACTGTTACACAAGATGCACAAATNCCAATGTAAGAACACAGGGAAACATGAAAGCA
AGGAACATGACACCTCCAAAACAACACAAT

Sequence 3813

AGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCT
GGCTAACATGGTGAAACCCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGC
TCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGGA
GGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACAGAGCAA
GACTCCATCTCAAAATAAAGAAAGAAAGAAACAAAGAAAGAAAGCTTATATTGAACCT

Table 2

CTCTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATCTTAAATTTGGCAAGTCGA
TCAATTAAAGGATATTTATTTGCATCACAAAATAATTCTTTACTCCCCCAAAAAATCAA
TAAAAAAGTTCAAAATAGCAA

Sequence 3814

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCACGCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACA
GANCAAGGACTCCATCTCAAAATAAGTAAAGAAAGANACNNATGAAAAGGAAAAAGCTT
ATATTTGAAACTTCTNTTAAAAAAGAAAAAAGGAAAGCCCTGATGCCACAC
AAATNTNTAAATTTGGGCCAAGTNCGATCAATTTTAAAGGGATNTTTTATTTGGCAN
TCCACAAAAATAAATTTCTTTTACTTCCCCCCCCCNAAAAANTCAANTTAAAAAAA
AGTTTTCAAAATTCCTCGGCGGTAACTTNTGGGCCCGGTTNTTAAAAACTTAGGNGGG
GATTCCTCCCCCGGGGCTTGCANAGGAAATTNNCANNNTTTCAAANGCTTNTTCGGGAT
NNCCNGTNNGNANCCCTTCAAAGGGGGGGGGG

Sequence 3815

TTAAGGGCCTCCTTTTTTCATNTTNCCTTTTTTATTGGGTTTGGCCCCCTTAAGNCCCC
AACCCCTTTTGGAACCTTNTTTGGGGGCTTGGAATTAACNAGGTTCCCC
TTCAAAAAATNGTTTTTTGGACCCCTTAAGTTGGGGAACNAGCCCAATCG
GAAAAGNAAGGGTTTAACTTANTAAGGGGCTTGGGGGCCANTTGGGGTGGGGGTGGC
CNAITGGCCCTTGCCAAANTNCNCCCAAGGGGAACCCCTTTGGGGGGNAAGGGGCCCCNA
AAGTAACCGAAGGAAAGGGGAATTGGGGCTTTTGAANGGCCNTCCAAGGGNAAGGTT
TTTTGGNATTANCCCCAAANTTCTTGGGGGGGCCAAAAACAATTGGGNTTGGAAAAA
ACCCCCCNAATCTTTTNTTACCAGNNAAGNTGANGGGTTGNACCTCCTCCTCTA
TNGNTTANANAATTANANAANAAGGGGGTTACCCCCCTNNGGGGGGCCCGGNTTTNTT
TAANNAAAAACCTNAAGGGGGGGGGGAATTNCCCCCCCCCNGGGGNCCTTGGCANNANGG
GGGANAANTTTTTCCGGAATNTANTNNAAGCCCTTTTTANTTTCTNTAATTAANCCCC
GGATNANNANCCNTTTNTANAANGGGGGGGGGGGG

Sequence 3816

AGGTACTTTTTTTTTTTTTTTTTTTTTTGGCAACACTTGGGAGGCTGAGGCGGGTGG
ATCACCTGAGGTCCGGAGTTCGAGACCAGCCTGACCAACATGGAGAAACCCTGTCTCTAC
TAAAAATACAAANTTAGCTGGGCGTGGNGGGGCNCACCTGTAATCCCAGNACTCGGGAG
GCTGAGGCAGGAAATCGCCTGAACCCGGGANACAGAGGTTGTGGTGAGCCGANATCGTG
CCACTGCACTCCAGCACTCCAGCCTGGGCAATGACAGCGAAACTCTGTCTCAAAATAT
ATACATATATTTTTTGGCCAGGCGCAGTGGCTCACGCTGTAATCCCAGCACTTTGGG
AGGCCGAGGCAGGCAGATCATGAGGTCANGGAGAATGGAGACCCCTCCTGGCTAACACCG
GGGGAACCCCGTTTNTACTTAAATTCAAAAAATTTGCCAGGCCGTTGTTTGGC
CGGGCCNCCCTGTAAGTCCCCAACTTNACTTGGGGGAAAGGCTTGAAGCNAAGGAAAAAT
GGGCNTGGAACCCCAAGGAAAAANGGCGGGAACTTTGNANNNGANGCCTTGANAATCGG
GGCCAATTGGNAACTTTCAACCTTGGGGGGGACACANGGGAAGACTTCGNTTCA
AAACCCCAAAAAAAAAAAAAA

Sequence 3817

ACAAGAACTAGGACTGTTTGCACGTGAGGTTGTTGAGGAGCCAAAGGCCCTCAGGGAGC
AGACTGGGCTGTTNCTGGAAAAAGAACTGCAGAAGGATAAATAAGGCTGCCACAACACGC
TCATCTCTGAGCTGCATTTGCCCTCCACAGTCTCCACTGCTGCCTCAGTTAGCAGGTTG
CTTAGACATCGAAGCACGGGGCATGCCAGCAGCTCCAGTCTGCTCCTCGCTTTTCTGG
ACAGCCCCAGCCAAGTCCAACAGCAGCAACCCAGAGTAGACAGAGCCCCATGGCCAATG
AGCAGAGGATTGCTGACCTGGCTGCAGATGATGTAATGAAGGCACCAGGCAACCCCGCG
T

Table 2

Sequence 3818

GAATCGGCCAACGCCGCGGGGAGGAGGCGGGTTTGCCGTATTTGGGCGCCTCTTCCGCT
TCCTCGCTTCACCTGGACTCGCTTGCCTCGGGTCCGTTTCNGGCTGCCGGCTGAAGCGG
TATCAGCTCACTTCAAAGGCCGGGTAATAACCGGTTAATCCCACCAGNAAATTCANGGGG
GNANAAACCGCAANGNAAAAGAAACNATTGTTNAGNCAAAAAANGCCCAAGCNAAAAAN
GGGCCCAAGGTAAACCNGTAAAAAAGGGCCCCCGGATTNCTTGGGCGGTTTTTTTTT
CCATTAAGGGCTTCCCGCCCCCCCCCTTGAACGAAGGCATTTAACAAAAAAATTCGGA
CCGCTTCAAAGTTCAAGAANGTGGGGCCGGAACCCCGGACAANGGGACCTTATTAA
AAGGANTANCNCAAGGGCCGTTTTTCCCCC

Sequence 3819

ANGTACACANGTAGTTTGTACAGACNGGGTAAAAANNAGAATACTTCACACACGTTTCAAC
ACCATACAAGGCATTA1TCTTCACACAGTAACATCTAATGTCGTTCTTTATTTTAAAA
CANCAGGAAAAGAGCCCTTTCCCTTCAGAGGAAAATAAAAACCTTATCTGTTGCTTAAGC
CAAACCTCCAGGGGAGGAAGGTGTAGTCCTCTGGGGAAAGTANAGGGGATGGGGATGTATT
GGGAGGAAGAATGGGACCGCCCCCTTTCATAAGCACCTTNAGGGAGGGAANGGAATTTNGC
ANGGAGGGTTTCTTNGGGGGACCAAGTCNACACCAAGCTTTTCTCCNGNATCCCTTTGGC
CCCCCTTTTTTCCNTTCACCTTGCNACCAACTTGGTGTTAANCCCGGGCCGTTNNAACAA
CCATTGGGGGGNACCTTTTGNCCCCCNCCGTTAACCTTTGNCTCCCNNGGNCCGGGGG
NCNGGTNTTCTTNAAAAAACCTTANGTTNGGAAATACCCCCCCCCGGGGCCTTGGCAAN
GGGAAANTTTCNNGAATANTTCNAAAAGCCCTTTTATTTCGNAANNCCCCGGTCCNGAAN
CCTTTCGCAAGGGGGGGGGGGGGCC

Sequence 3820

TGGAGCTCCCCCGGTTGGCGGCCGAGGTACAACAAATAACCCCAACACTCAGTAGCTAAA
ACAATGAACATTTATTATCTCATAGTTTCTGCAGGACAGTTATCTGGAAGACTTAGCTGG
TTAGTTATGGTTTAGGATCTTCAAAAAGCTACTGCTGTGTCAGCCACAGCTGCAGTCAT
CAAGGCTCAACTAGGAAAGGATCAGCTTCCAAGCTCACTCATGTGCCTGTTACCATTCAT
GTGGGCCTCGCTGAAGGAATGCCTTTGGCAGCTGGCTTCTCCAGANTGAATGATCCAAG
ACANAGCAATNGAGAACACCCAAAATGGAAGCTACAGNNTTGTGTTGNTGTTGTTGTT
GAAGTTGTAGTTGTTTTGGACAAAGTCTCACTTTTGCG

Sequence 3821

TCCACCGTGGAGGCGGCCGNCCGGGCGAGGTNCGCGGGCCAGGGCNCGGTGGCNCGAGCCT
GTAGTCCTNAGCCTTCCCAAAGTGCTAGNATTACCCGGGNGGTGAGCCACCTGTGCATGG
CTTCCANCTCTCCTTCTTAGAATAGTGGGGTATAGTCTGCACAACAGGAACCATGGCGGG
GAATANACACTTTCCCATAGNCAAATAGCATACCTGACTCTCTGTGCTAATATTGCACAT
TTGTTANAACAATGAATGAATTGGATGGATGGGATGGATGGATTGAATGAAATGAAACAT
ATACTACTGATTATTTTATCCAGAGTNCTCAAAATATTNGCTGCCTGATATTTTGAGNG
CTGACTGGGAATTACTTTTGGATTAGGATAAAACAACCTNNGGAAATAATGCTGC

Sequence 3822

GGGGGACCTCCTCGTCCAAAGAAGGGAAGACCTTGTGCGGCACCATGAGAGGCGTGTCT
CTTCTGGCTGCCGCTCGAGCACCGAGAGCTCCAGCTCGTCTACTGGCTGTGAGGGTTGGG
CCAGGTCCATGTGCCGGTAGGGAAAGTCTCCCCGCGTACCTT

Sequence 3823

TATGGCGAATTGGACTCCACCGCGGTGGCGGCCGGCGGGAGGCTGACGAGAGCCGGGAGG
CGTTAGCCGAAGGAAGAGAAAAACCGAAGACGAAGCCACTACAGCGTCGCANCGCGGCAG
CGGCGTNTGCTTTATAGGAGAGGGCGCAGGCCCGCGGTACCT

Sequence 3824

NCCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGA
CCAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCA
TGGTGGCTCACGCCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGA

Table 2

CCCAGGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGG
ACAGAGCAAGACTCCATNTNAAAAATAAGAAAGAAAGAAACANAGAAAAGANAAAGCTT
ATATTGAACTTCNTNTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATTCTAAA
TTTTGGCAAGGTCGATCAATTTAAAGGGATTTTATTTGCATCACCAAAAAATANATTCTT
TACTCCCCCAAAAAATTAAATAAAAAAGGTTTCAAATAGGCAACCTTTTTCTTAAA
TGGTNGTTT

Sequence 3825

GAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTAAGCCAATTTCTTTGAA
TAATTTTTTTTTTACATTTTTATTTTAAAAATGAGACAGAGACTGGGCGCGGTGGCTCA
CGCCTGTAATCCAGCACTTTGGGAGGCTGAGGCAGGCGCATCACTTGAGGTCAGGAGTT
TGAGACCAGCCTGGCCGGCATGGTGAAGGCCTGTCTCTACTAAAGATACAAAAA
AATTGGCTGGGCATGGTGGTGCATGCCTGTGGTCTGATTCTCCTGCTTCAGCCCCTGGAG
TGGCTGGGACTGCAGGCACACACCACCTTGCCTGGCTATTTAAGCTAATTTCTTTGGCA
CTCTGTAGCCTCCCACATTCACTTCCCTCACATTTATTTACCTATAATTTCTTCTACCAA
TTCTCCTGTATTTCCCTTTCTTTTGCCTTCTCTGGGGNGNCTTCTTTGNCT
CTTTTGCCTCCTTGCCTNCCCTATCTTTTTTCTTTTAGGGTGGGTTTCTTTTTT
TCCCTTAGGNTTTCCCTTANGTCTTTCATGGGCGTTGGCTTGGCCTCACTAACCAAGT
TAACATAAAGACGTATTTCTGTTTCTTGNACCTCGGCCGCTCTAAAAATAGTGGGATC
CCCCGGCTNGCANGAAATTNGANANTNAAANCTTATCGGANANCCGTCCGANCTCCTCNA
AGGGGGGGG

Sequence 3826

GGGCAGGTACTGGAACAATTCCTTTTTGGATTAAACCTTCCTCTACTTTCCTTATATTT
TTCATAAAATAAATGAATAAATAGACATAAATAAATGANTAAATGTAGGAAGAAGGTCA
TATTTCAACACTAATTTTAGTAATGCTTTACATAGGAGCTCTTATAAAATATTTACTTAA
AATTTACAATTTACTAGATGTAGTCATATAGATCTAACACAGCGCTTAGAGACAACTT
TTATTGGGGCCTTAATGGATTATAGGAATATAAAGGTTATACAACCAAGAACAGGGATG
TCACCAAAAAAGAGTTCACCTTGGTCCCGGCTGCCTGCCAGGGACCATTCTTCACCAAGG
GCAATTGNTTTGGCTTTTGGGGTAAAGGTTTCCACCCAATGGATCC

Sequence 3827

TCCACCGCGGTGGCGGCCGCCCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCC
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TACAAAAATTAGCCGGGCATGGTGGCTCACGCCTGTAGTCCCACTGCTTGGGAGGTTGA
GGCAAGAGAATCGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACT
GCACTCCAGCATGGGCGACAGAGCAAGACCCCATCTCAAAATAAAGAAAGAAAGAAACAA
AGAAAAGAAAAGCTTATATTGAACCTCTCAAAAAAAGAAAAAAGAAAGCCTGATGCA
CACAAATCTAAATTTGGCAAGTCGATCAATTAAGGATATTTTATTTTGCATCACAAAT
AATTTCTTACTCCCCCAAAAAATCAATAAAAAAAGTTTCAAAATANGCAANCTTTTC
CTAAATGGTGGTTTTAAAAATGGTAAATTCACCAAAATANCANTGGTGTCCCCCAACC
TTCTTTTCNAGGTTTANTAAATTCCTAATTTGGNGNTAAAGGNGNGNGGTATACCCTGAA
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NGGTGGTTCTTTCTTTAGAAGTNTGNNGGGAAATGGGTTTNGGGGCNCAAAAAATCTT
TTTAAATCTTTTTTTTTTTTTTNCNNCNCNCNCNGGGGCNNTTTNTTTTCTTTGGGNNN
AANNNGNTTTTTNGGGAAAANTTNTTTAACTNNGGNNCTNTGGGCGNCTTNNAAAAAC
NAGGGGNTNCCCCCGGCTGNNGGGGNATTTNNTTTNTAGNCTTTNTGGTATCCCCGCC
NNCNTNNGGGGGGGGGGGG

Sequence 3828

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAATTAGCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCCTTGAAC

Table 2

CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCACCACTGCACTCCANCATGGGCCGAC
AGAGCAAGACTCCATCTTTAAATAAAGTAAAGNAAAGGAAACAAAGGAANAAGAAAAGC
CTTATATTGAACCTTTCTCTAAANAGAAGGAAAAAAAAAGAAAGCCCTGGAATGCACAC
AAATTCATAATTTTGGCCAAGGTCNGANTCAAATTANAAGGGGATTATTTTAATTTGN
CNTTCAACCAAAAAANTAAATTTCTTTTACCTTCCCCCCCCAAAAAGATTCAAATTNAAA
AAAAGTTTCAAAAAATTAGCCAACCNTTTTTCCCTAAATGGTGGTTTTNAAAAAATTGN
TNAATTCNACCCCAAAATTACCATTTGTTGTTCCCCNAAACCTTTCTTTTCCNANGTT
TANTAATTTCTTAATTGGGGGGNAAAAAGGTAGGAGGGTTATTTANCTTGTAAANGTTG
GGAAGGCCAAATTAAGNANTANTTTNAAGCCTTTTCAAGAAACCTTGGCCCNCTGGAA
AAAAAGAACCNTTGTCTTTCTTTTAAAAAATCCNTNNANNNGGAAAAAATGNGGT
TTTGGGGGGGNCNCCAAAAANTTACTNNNTCAANACNTTTTTTTNTTT

Sequence 3829

TTGGAGCTCCACCGCGGTGGCGCCGCCGGGCAGGTACTTTNTTTTTTTTTTTTTTTTT
TTGAGTAATATTAGAGTCACTGACAATGANAAAAATGGAACAGTGGATTTAAACATGAA
ATGGCCCATTAATGGGTCTGAACCTGTTTTAAACTCCAGATAATATANCTTGGCTGT
TTCTGTCTTTCCAAAAATGTCAAATTTGTCTAGGATTAATGGNTCTCTAAATCAATAG
GATNTTCATGTTTATAAAATGNGTTTACCGGTTCCACTGGTTTTNTAAATGTTATGGAGC
NCATGCATTATTCATTCAACGCCTGAGCCCTTTTACTGAAAATTTTACTGACCATTTAAG
TCTGGCNTCCAGGACCCANACCATGGGAAGGGAGGACAANAGNCGGAATCCTTTCCAAG
GGCCTGGGC

Sequence 3830

GGCCGAGGTACTTATTTTTTTTTTTTTTTTTTTTTTCCNGAATCGGGTTTTACAATGA
ATGTTAACTTGACCAAGGAGGTACCTTGGGCCCCANAGCCTTCTTAAACCTGGCAC
CCTGCCAGGGGAGCTCCAACCTTGACAGCCCAAAAAAGTCATGTTGGCAGCTTATCAGGA
GCCAGGGAGTTACATGGCGCCCTGGGGGTAATAATTTTTCCANAACGCTCAAGCTAATA
GTCCCATGAATGGGCGANTGAAAGGACTGCAGGTATGCTCTTCTTGTCTCAGCCTTGG
AAGTCTCATCCATCTTTGCAAAGGGCCACATNAANACTNTGCTTGACCTNTAATGGGCAA
AAATTTGGGGGANACTTGNCCTTTTGTCTTACNTTACCCTNACTGCCAGACAGAANTTG
TTATANTTTCAANGCCCAANGTTNNNGCTTTTACTTATTNANCGGGGGCCTTTTGAATT
TCCATTTTTTTTTAAAAAA

Sequence 3831

CCGGGCAGGTACTTTATGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCCGGCTAACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATTAGCCGGCATG
GTGGCTCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACC
CAGGAGGTGGAGGTTGCANTGTAGCCGAGNATCGCGCCACTGCACTCCAGCATGGGCGAC
AGAGCAAGACTCCATCTTCAAAATAACAGTAAAGAAAGGAAAAACAANAGAAAAGAAAAAG
CTTATATTNAACCTTNTTTTTAAAAAAGAAAAAATAAGNAAAGGNCCTGGATGCACCACC
AAANTCTTAAATTTGGCAAGGTTGANTCAAATTTAAAGGATATTTTTTATTTTGGC
ATTCAACCANAAAAATTAAATTTCTTTTACCCTCCCNCCAAAAAANTC

Sequence 3832

AGGTACTTTANGAGACCCANGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCT
GGCTAACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGC
TCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGG
AGGTGGAGGTTGCAGTGAGCCGANATCGCGCCACTGCACTCCANGCATGGGCGACAGNAG
CAAGACTCCATCTCAAAATAAAGGAAAGGAAAGTAANCANAGAANAAGGAAAAAGCTTTA
TNATTGGAACCTCTTNTTAAAAAAGGANAAAAAAGGAAAGGCCTTGGATGCACACA
AAATTCNTAAATTTTGGGCAANGNTNGAATTCAAATTTTATAANGGGAATTTTTTATT
TTTNGCAATCCACCAAAAAATTAATTTCTTTTAACTTTCTCCCCCCCCAAAAAATTA
CAAAATAAAAAAAGGTTTTCAAAAAATTAAGGCNCAACCTTTNTTCCCTTAATTGGTG

Table 2

GTT

Sequence 3833

GGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGCGGTGGTTGGGTGGTAAGATGGC
GGCTGTGAGTCTGCGGCTCGGCGACTTGGTGTGGGGGAACT

Sequence 3834

CCGGGCAGGTNCCAAGCAAAACACTTGGGTTNTGTCGTTGCTAAATAAAGAACCCAGGAG
GGGCTAATTANCCACTTTATATAAAGTAAAAGTCACACCTNTAGAGCAGCTTTTAGGGTA
GCTGTGTTAGCCAAGGAGGTGTTTCTC

Sequence 3835

TATCCACAGAANTCAGGGGATAACGCATGGAAAAGAACATGTGAGCAAAANTGCCANCCA
AAAAGGCCCAGGAACCGTAAAAAAGNGCCCGCGTTGCTTGGCCGTTTTTNCATAAGNG
CTTCCCGCCCCCCTTGACCGGAGGCAATNACNAAAAAATTCGGANCGCCTCAAANTCA
CTAAGNGTNGGGCCGAAAACCC

Sequence 3836

NTATAGGGCGAATNGGTAGCTCCACCCGCGGTGGCGGCCGAGGTACAGGTCATGGTAAGT
AGACACANAACCACACTGCTGAGGNCTTCTAAAGTGCCTTCCTTTCTTCACAGCCTGGC
TTAGCAGGTAGATCAAATCGAATGGTGGGGGGA

Sequence 3837

AGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTACAGGAGTTTGAGACCAGCCT
GGCTAACATGGTGAACCCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGC
TCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCANGA
GGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGGCGACAGAGCA
AGACTCCATCTCAAAAATAAAGGAAAGAAAGGAAACAAANTAAAAAGGAAAAAGCCTTAT
ATTNGAACCTTCTCTAAAAAAGAAAAAAGNAAAGCCCTGATGCACCACCAAAA
TTCTTNAATTTTGGGCCAAGTTCGGATCCAATTTAAAGGGGATATTTTATTTTGGCATT
CACAAAAATAAATTTCTTTTACCTCCCCCCCCAAAAATTTCCAANTNAAAAAAGT
TTCCAAAAATTAGCCAAACCTT

Sequence 3838

GGGTACANACCACAGCACCACGTCTGCTACGGGGAGTTCATTCCCAGCGAGCCAAGGGCT
CTTCCCAAGAGCAGAGTTCATGGAGCGGAAACAGCGGCTTTTTCTTTACTGCTTCCCTC
TTTTAACTGAAAAATCGCAATATCTACCCAGCTATCTATAAGGGTTGCGTTGACAGCATT
ATGCTTCTGGCCAAACAGAGAGAACAAGGAACGTGCAATGTTCCCTTCGCCTTCGATGGG
GCACATCCGNCTGGGATGCTGAATTTTCATCTGCGTCTTCGGCACATTCTTCCAAATTA
GGTGAAATCCCAGCTGATAAGTCTTGGGCGAGGGNNTGTTTTTTATTCTGTTCTCCAA
AGCACNTTGAAGAAGGTTTTTCAGGGCACCGCCTCTTNGACCCGAGGGAGTGCGTGGTGCA
CCGTGGGACAGGGACCCCTGAAAGGTGCTTCACAAGAAGCAAGTCCTTGGTGNCAGCCAA
CAANGCAAGGGGAAGAAAGGGGGGAGGGGGGAGGCCCCCGGGTTTTTGCCGGTTTTGGAT
TNCACCGGAATGGTCTTTTTTTCANACNGCCCCCGGTAAAATTCCCTTTCCCCCAAAGN
CNACCTTGAAAAANTTCAAAGNTNCCAAGNCNGCATTNCCCCCGGNGGTTACCCCTTG
GCCCCNGGGGCCGGGNCCGNTTTCTTTAGNAAACCTAAGGANGGNAANTCCCCCCCCG
GGGCCCTTGGAAGGNGAAATTTCCGAATANTTCAAGGCCTTAATCCGATTAACCCGG
TCNGAACCTNNNCAANGGGGGGGGGGCCCC

Sequence 3839

TCCACCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTGGGCTGAGT
GGGATTTGCGTGGCTGCAGACTGGGCCCGGGCAGTCACTAGCCTAGAGGCTTGGCAGAT
ATGCCTGCCGCAAATTGCAAGAATTACGCCTTTTACCTCCTNTGCTCTCCTCCCGGAGC
CGGTGCCACCCNTTTTTTCAAAACCGCAGGGCTGGGGAGAGGGACTTAACCTTTGGCC
TGCTGCTGGCTGTTGGCTCTGCGCTTGTGNTTTTGGTTTCTTCTCTTCTACTGGT
CTTCTCTTGTCTTGCCAGCCACCTATGCTGNTGTTTTCTCCTCTGCTTCCCTNTCCCC

Table 2

TAGGGGAGGGACCGGCANGAGTGGAGCTACTGTTTTTTNCCTGAGAAGAAAGAAAAGGG
GAGTTCTTGAATATTTTTCTTACTACTGGAGGTTTTGTGTGAGGTTNAAACCCCCCAAC
ANTAGGGATTTTTNACCTTNAANACATNCTAANGGNATACTTTTACCNCCCCCTGNGGGN
TTTTCTCTCTTTGGTTTGNCCCAACCCAANGAANTGCTTTTNCATCCCGGNTTTTTCC
CCTAAGTNCCCGAACNCCCAAAGGGGAAANTAACNTTTTACCCGGGCTTCCTGGGGGGGA
TTTCTCCTTTTCTTTGGGTNCTTGGTGCCACANGTTGGTCATTTNCCATTTTCTTGNG
GGAATCTT TAAACTTAGGTTGCTTGGGCCAANTTTTTTTTTTTT

Sequence 3840

AGGTACAATAAGGAGGTTATTTAGACCTATTGGCAATCCATAGGAAAATAAAATAATCA
AAAAATTGCTGCTTATCTTCAGTGAACAGAACCAAGATTAGGACTCAAAGCCATCTGA
AGCACTTTCATGCTGGCAACGTTAAGGAACAACATCCATGTGATTAACAAGAGCAGCCTA
GTCCAGGAGGGTTGCCAACAGCAGGCAGAAAGTGTGGCATATCTGGATAGGCAGTTATTGT
TTTAACAGGGTCAAGATTAATGGGCAGGTGTTCCGCGATAATCCGGCTCCCGGCCAGGC
TCCAGCGCACCCGCCTCCCGCGTACCTGCCCG

Sequence 3841

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTATTTTTTACTTGGGGAAATTTATTA
AAAAAAAAAAGAAAAACAATAATTTATGCCCTTGGCAAAATAAAAGATCTTATCAATATA
AATGTTTCTTANAAAATGTATGAAAAGATAATATATTAATAAATCAATATTAACATTA
CAGCAAAAGTAATAATGATTATNTAACATGACAAGNGAAGATNTTCTGGCCCTTACAC
AGTAGTATTTCTGGAAGGNCTCTGATTCTGCTTGTCTAGTACAGGCGTGCTCTCACTT
TAANAAAGCCTGATGCCNCTGGGCGAGGNGGCTCACGCCTGTAATCCCAGTACTTTAGGA
NACCCAGGCGGGCANATTGCCTGAGGTCAGGAGTTGANACCAGCCTGGCTAACATGGTG
AAACCTGTNTNTACTAAAAATACAAAAATTANCCGGGCATGGNGGCTCACNCCTGTAT
CCCAACTGCTTGGGAGGTTGAGGCAAGANAATCNCTTGACCAAGANGGGGAGGTTGCAA
TGAGCCCAAAATCGCGCCACTGCACTCCAGCATGGGCGACAGAGCCAGACTTCCTTTTTAA
ATTAAGGAAAGGAAAGGAAACCCAAGGAAAGGAAAGCTTTTTTTTGAACTTTTTTA
ANAAAAANAGGAAAAAAAAAAGAAAGGTTCTGCCNNGGCGGGGCGGTTTTAAACCTAAG
GGGGNCCCCCGGGCTNCGNGAAAAATNCGTTTTTAANCCTTTNNNNTNACNGGGTTNC
CNTNNNGNGGGGGGGGCC

Sequence 3842

TTTTTCCAGACACGGAGTCTTGTCTGCCACCAGGCTGGAGTGCAGCGGCGCGATCTCG
GCTCACTACAACCTTCGACTCCGTGGTTCAGCAATTCTCCTGCCTCAGCCTCCTGGGTA
GCTGGGATTACAGGCACGTGCCACCACGCCAGCTAATTATTTGTATTTTAAATANAAAC
AGCGTTTCTCCATGTTGGCCAGGATAGTCTCGATCTCCTGACCTCATGATCCGCCCCGCT
NGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCCCACACCGGGCCAAGTGGCTGAT
GATTTAAGTGATCTGGGCAAGAGGTAGACACACAAATTTTACCAGCTCTTTGGGTAAGT
CTGAGGTTAAAGACTGTTTTCTAAATTAATCATTCTTAAAGTGTGGTCCCTGGTTAGCA
GCATCGCCATCATTTAGGAACTAATTANAAGTGAAATTAT

Sequence 3843

CCGGGCAGGTACACAGTGGGCGCTGGGGACCAGGGCCAGAGAGTGGCCACCTGTTAGAGC
TGCATGTGTGCTTGGGCCTGGTCTTCTTTCTGCTCACTAATGACAGCTGTCCAGCC
TCTTGACAGGCTCTGGCCCCACCCTTGCTTGCTGTGATTTTTTTTTTTCTCACACAT
GATAAGCTGAGGCAGGAGAATCCGCTTGAACCCGGGAGGCGGAGGTTGCAGTGAGCCAAG
ATTACGCCACTGCATTCCAGCCTGGGCGACAGAGCAAGACTCCGTCTCAAAAAAAAAA
AAAAAAAAAAGGTGACAAGCAGAGCAAGCGCATNTAGGTGACACCCGGAGATGGAATC
GGGACGGCAGGATGAGCATGGGTTTGTGGCGANAAACCCGGGGCAATAATGACATNCAA
TGCAAAATTTGCCAGAGTCAGCAAAAGCCTATGNGGTANAAATTGCCAAAGAACAGAAAA
AGAGGGAAGGGTCAGCACCTAGTGCAGGCTACTCTGCTACTGACAAGCAGCCCGGCACAT
AAGGAGTGTTTCACTGGAAGTGAA

Table 2

Sequence 3844

TCCACCGCGGTGGCGGCCGAGGTACTTCCTTGGTGGTCCAGATACTCTGGAAGTTGAAAG
TGTGTGTGAATGGTCTCAAGCCATGCGGTGTTGCTTGTGTGGATGGTGACAAGTCCTGCT
GGACGGAGTGGGTGGGTGCTACCTGTGGTTCCATGGCCACCTCATACAGCTTAGGGCAGA
TCCTGACGTGGGTTTATATCAGCATGCCAATGCTAAGAGGAGCCTAAATTTCCATTAGGG
AAGCAGCCAGGTAGGACGAAGTGAGTGAAGAGTGTAAGAAAGCTCCAGGGGTGGGGGAAG
AGGAGTTAAGATCCTCCCCAGGGAAAATGAAACCTCAAGTGCGTGAGGTTAGGAATTTAA
GCAAGCTAGGGAAAAACAGGATAGACAAGAAGTCTCTAGAATTAAGAAGTTGAGTCTACC
CAGCATTAGTATGGGAAATGTTTCTAGTAAATTGGGAGCGAAGAAAGATGCAAGTGATC
AAGATTCCCCCTAATAATCCTTTAGGGTTTATGTTTAAAGATTGGTAAGATAATGAAACA
ACTNAATTCAAAAAGAANGTNTAGATGAATTAAGTTATTGTTGCTTCATTTTGAACNA
AGAACCCAAATCCTNCCANCCAGCCATTTGGTTTGGGCCCAAAAATTTGGGNTCAAGATG
AANNANTGGAAGTCNTTCAACTTTTTA

Sequence 3845

TTTTGGNNAAATNCCANCTCCACCGCGNGGCGGCCGCCCGGGCAGGTACACTGNNCAGG
CAAAGCGTCCGGGCAGCAGTAGGCGGGCGACTCAGATCCCAGCCAGTGGACTTAGCCCCCT
GTTTGCTCCTCCGATAACTGGGGTGACCTTGTTAATATTCACCANCAGCCTCCCCCGTT
GCCCCCTCTGGATCCACTGCTTAAATACGGACGAGGACAGGGCCCTGTCTCCTCAGCTTCA
GGCACCACCNCTGACCTGGGACAGNGAATCGACAATGCCCGTCTTCTGTTCTNGNGGGGC
NANACTCCTGCTTGGCAGGCCCTGTGCCTGCCTGGNACCCTGTCTCCTGGCTGGAGGG
ATCCCCCAAGGGGAAGATGGCCTGCCCAAGAAAGACAGGATTACATTTCCCAACCATG
GATACAGGGATCACCCCAACCTTCAAACAAGGATCAACCCCAACCTGGNCTGGAANNTC
CGCCCTTTCANGCCCTTANACCCGGCNCAGGCGTGGCCACAACCCAGNTCCCAACCAAG
NCACCCAAANATTCTTCTTNTCCCCAAGNGGNAGCCAATCCGGCTTACCAGGCCCTTT
TGGCCAAATGGCTNNCTNCCCCNGGGGGGA

Sequence 3846

GAAATTNCCCTCCACCGCGGTGGNTGCCGCCCGGGCTNGTACTTTTTTTTTTTTTTTT
TTTTTTTGGAGATGGAGTNTCGCTCTGTACCCAGGCTGCAGTGCAGTCCGCAATCGTG
GCTCATANCAACCTCCACCTNCCAGGTTCAAGCAATTCTCCTATNTCAGCCTCCGAATA
GCAGGGACTACAGACGCTCACCACCACGGNTGGCCAACTTTTTTTTTTTGANACGGAGT
CTCACTNTGTACCCAGGCTGGAGTGAAGNNGCATGATCTTGGTTCACTGCAACCTCCGC
CTCCCAGGCTNAAGCGATTCTCCTGCCTNAGCCTNCCAAATAGCTGGGATTACAGGCATG
CNCCACCATGCCTGGTTAATTTTTTTTATTTTTAGNGGANACGGGGTTTACCATNTTGGC
CANGCTGGNTTCTTTCTTTTTTTTTTTTNGANACAAACTTTTGCTNTTATTGCCAGGT
TAAAAGTGCAGTGGGAGACAAANCAAGACTTTNTCAAACAAAAACAAAAACNAAACAA
ACCCAACCAACAAACNAAAAATAATTACNCCCAAAAAATACCNCNTTGNATTTTTGGG
CCATTTTTNCCAAACTTNAANGNNGGTTAACTTNNTTTGAANTTCCNNAANTTTTTT
TNAGNCNCCGGGGTTTTTTTNCNCNCAAAAAAAAANTT

Sequence 3847

CCGGNCAGGTACTTTAGGAGACCCANGCGGGCATTATTGCCTGAGGTCAGGAGTTTGAGA
CCAGCCTGGCTAACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCA
TGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAA
CCCAGGAGGTGGAGGTTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGA
CNAGTAGCNANNACTCCATNTCAAGAATATTANTAACAGAAANGGAATCCAAAGNAAAAG
AAAANAGNCTTATATTGGAACCTCCTCTAAAAAAAAGGAAATTNANAGGAAAGCCCTG
ATGGCCACACCAATCCTAAATTTNGGGCAAGNTCGNATCCAATTTAAGAGGGATATT
TTATTTGNCATCCACAAAAATAATCTTTACTTCCCCCAAAAAATCAATTAAGAAAGTT
CAAAATAGNCAAACTTTTCTTAATGTGTTTCTAAAAATGTAAATCA

Sequence 3848

Table 2

GAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACTTAAAAGCTAAGGATTTTG
GACTATACCCCTTTAAAGTGATACGAAGAGAATGTGACATAGGCAAATGATTAAGGAAGAT
TAATATAGAAGTTAATGGCCGATGTGGTGGCTCAGCCTGTGGTCCCAGCACTTTGGGA
GGCCAAGGCGAATGGGTACCTGAGGTGAGGAGTTTGAGACCAGCCTGACCAGCATGGTG
AAACCCCATATCTACTAAAAATACAAAGTTAACTGGGTGTGGTGGCACAACTCCGTTTT
AAAAAAAAAATTCAGAGTATGTAGACTCTGGAGGAAGTCTGGGTGGGATGTAATGAGGAC
CTGCTAGAATTTGGATCACTTTCAATTGAAGTCAGGGTATTGTGCATAATAGAAAGTATT
GGACTGAGATATTTGGTTACCATGGAGGCCAATGCTTTTTTTCATCTTATTAAATGTGATG
TGACTTTTTCTTTGTACCT

Sequence 3849

TNGGACTCCACCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGCGACTTCACTTATGTGC
GTGCTCTTCTGAGGAAGTGGATCGTGCCCTGCGCAAGGTTGTTGGGGAGTTCAAGGATG
CACTGCGCAACTCTGGTGGCGATGGGTGGGCAGATGTCCTTGGAGTTCTACCAGAAGA
AGAAGTCTCGCTGGCCATTCTCAGACGAGTGCATCCCATGGGAAGTGTGGACNNGGTNAAA
GTGCATTGTGGTAGCCCTGGCCNCTNGAATCCAGGGAGCCGGCAGNATCTTGCCGAGGTA
GTAAGGTGGGTGAAGAAAAGTCTGCGNAGNAAAGATCATCAACATCCTTGGGGAGGTTGA
TTGAATCCGGCCATGNAGNTACCCCTCGGGCCCGCTCTTAGNAACTTAGTTGGGATCCCC
CCGGGCCCTTGCAAGGGAAATTCNAATATTCNAAAGCCTTANTCCGATTACCCGTCCGACC
TTCAAGGGGGGGGGGGCCCCGGGNACCCAAGCCTTTTTTGTTCCTTTAGCTGGAAGG
GGTTAAATTTGCCGCCGCTTTGGGCGTTAAATCATGGGGNCAATTAAGNCTGGTTTTCCC
TGGTGTGGAAAATTGGTTNANTCCCGCCTTCCACCAATTTCCNCCACNAANCATTAAC
CGANGCCCGGGGNAGGCCATTAAAAAGTGGTTTAAAAGCCCTTGGGGGGGTGGCCCN
TTAANTTGAGGTGAGGNCTTNAACCTCCACCATTTTAAATNTGGCGGNTTTGGCCGG
CCTTCANCTTGNNCCCCGCCTTTTTCCCAATCCCGGGGA

Sequence 3850

AGGTACGCGGGAACATCAAAGTGAATCGAATGCAGGCTCCAGGGAGAAGCAACTTCCT
GGGCATGCGTGTTAAGAGACAAAAATGATGACGTTTGATGACCACTCCACCAGAAAAGG
GAAGAAAGCCTGAGGGGCCTACGTGGACCTCCCTAAACACACTGCGCATGCTCCATTCCA
AACGGTATGGTGAGCACTGCGCATGCGGGAAACCCACCCTGTAAGGGAAGAATCCTGGGA
AAGAGGCAAGCCTATGAAGTCCAGGATCAAGGTTAAAGACCCTTTTTTTACTGTCTTCT
TGTGCTCTCTTTCTCTCTTGGACCTTCAGGCGCTGCTTGGGTCTCTTCAAGCGAATT
TTGCTTTCTTTCTGTTCTAAAGCCTTTTAACTAACTTCCACTCCTGCTCTGAACTTG
CTCTCTTTTCTGCCTTAACGCCCCCTCAGTCGAATTCTTCTCTGAGGAGGCAAGGACT
GAAGTTGCTGTGGACCCATAGGGATTGCGCATTGGTAA

Sequence 3851

AGGTACCCGCCTTCACTCAGTTTCCCCAATGGTAACATCTCGCAGAACTACTGGGCGCCA
TCACAGCCGGGGTCTGACTGCTCTTGCTCAGGTTTCCCCGGTTTTCCGTATCCTCACGTG
TGTGATTTACTTCTGTGCAATTTATCGCAGGCCAAGGCAGGCGGATCACCTGGCCCCA
TCTTTCTACAAGTGGGAAAATTCTGAGTTCTGGAACCATCTGCCAGGGATTGTTGGGTCA
GAGATGGTGGGCCTTTCTGATCCTGGTCTTTGCCATGGTTATGATTGTGGCATCCCTGCC
TGTCTTCTATCATGTGCCTCANCCTGTTTTTTTTCTTTGCCANGCTGCAAGCCCCGTAT
ATCAGACTAACAGGGAGCACAAACATTTGCACGGTCTTAAANACACTACATTTAGGGGTGA
AATTTTGTCTTCTATCTTCCCCC

Sequence 3852

CCGGGCAGGTACGCGGGGACACTGTTAGTTGCAAAGTGGCACAAAGGTGAATGCGGTTCA
TGAGGCTCGCTTGATTAAGAAGAGCTGAAACAGGAGCAAAGAGCAAAGGCAACCTGCAG
CGAAAGCAAGGACTCAGGGAACCGGCAGACACAAGCAGCCTCTGCAGGTGTGCGAGCAGG
ATTGCTTCTGCAACAAAAGCCTCCACCCAGCCACATCTTGTGAAAAGAATGGCCACTTCT
TGGGGCACAGTCTTTTTCATGCTGGTGGTATCCTGTGTTGCAGCGCTGTCTCCACAGG

Table 2

AACCAGCAGACTTGGTTTGAGGGTATCTTCCTGTCTTCCATGTGCCCCATCAATGTCAGC
GCCAGCACCTTGATGGAATTATGTTTGATGCAGGGAGCACTGGAACCTCGAATTCATGTT
TACACCTTTGTGCAGAAAATGC

Sequence 3853

GTAACGCAGGACCCATGTTCACTGAGAGGTGAGATTTACATTTACATGTAAGACAATTA
GGCCCTATATGGCCAAAGGTGAGGCGCGGCCGGGAGTCACTCCAGTCACATCCTNCATA
GACCAGCNGAACCAGNCCGTGGCCNGNGGTGTCTTATCAGGAGGAAGTTATGGAANGTGA
CGCTGTANTTATGGCCGNAATGGGGGGTCAGNTANTGCCTGGCAGNGAGCCATCNCTG
TNTCCATACCGCTTGTCTNAGGCCAGTGCCTGCTTAACTGNTANAGGAAAAAGAAAACCC
ANGCCTNATTCTTTAACTGTAAGGGNGGCGTGACTTAACCCCGGCCTGGC

Sequence 3854

CTCCACCGCGGTGGCGGCCGAGGTACATCAATANNAATAAAATNNTTTTCTATTACT
TNACANCTGGGAATNACTTGCCACAAGAAATGATTTCTATTATGGTCATTCAGATTTAC
AAAGAATTAAGCCTATGAAATAAAGCAAACCCAATATATTCTNTAGNCATATTTACAGCA
GAATCTCAGNNGGCATTTTTAAATATCCCAAGGAAGAAGAAATTAACCTTNTGAGCATAA
ATGACCATACTTNAGTTGACAGCAGCACTGACATTAATTTGTCCTACACCANAAATGT
GTAGAAAAACCCCAAAAAAGGGTATGGCTTTATTTCTTGCCACCCTGAACCTAATTAANT
CANTTTTAAACCTTTTTTTTAAATTTTA

Sequence 3855

GAAGACCTTGTCCGCACCATTGNGAGGCGTGTCTCTTCTGGCTGCCGCTCGAGCACCGA
GAGCTCCANGCTCGNCTACTGGCTGAAGAGGGTATGGGCCAGGNCCATGNTGCCGGCNGG
GAAAGTCTCCCCGCGTACCTGCCCC

Sequence 3856

GAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCTGGCTAACATGG
TGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGCTCACGCCTGTA
GTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCNTGAGGTGGAGGTTG
CAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACAGAGCANGGACTCCATCT
CNAATAAAGAAAGAAAGAAACAAAGAAAGANGAGCTTATATNGAACTTCTCTAAAAAA
AGAAAAAAGAAAGCCTGATGCACACAAATCTAAATTTGGCAAGTCCGATCAATTAAG
GATATTTATTTGCATCACAAAATAATTCTTTACTCCCCCCCCAAAAATCAANTAAAAAGT

Sequence 3857

CACCGCGGTGGCGGCCGAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAG
GAGTTTGAGACCAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAAT
TAGCCGGGCATGGTGGCTCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGA
ATCGCTTGAACCCAGGAGGTGGAGGTTGAGTGAGCCGAGATCGCGCCACTGCACTCCAG
CATGGGCGACAGAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACAAAGAAAGAA
AAGCTTATATTGAACCTTCTCTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATC
TAAATTTGGCAAGTCCGATCAATTAAGGATATTTANTTGCATCACAAAATAATTCTTTA
CTCCCCCAAAAAAT

Sequence 3858

AGGTACGTTTTCTGCTTACCTGATAACCACTTGCCAGGTAGNNCTCCACCATCCTTTCTA
CCTTTGTCTTTTCTTCAAAAGGGCAGATTGGNTCCCTGGAAAAAACCCTAGTGGAAGG
TAAGAAGGCATGAGAAGCCAGAGCTGCCCATCCTTCCACATTCTCATGCCTAGAAGTCA
TTCCATCCTAGCTTGAAATCCGATATGCTCCTACACACTNGGAGAAAAACNACACACACA
AACACTTGCANGGAAAAATGCCATAGTAAGGTCCTGTGTGTCAGGCTANGACACAAAAAGNGG
GACTTGGGCCAACTGCCTGTTGGGTAAAGGGGTAATAGTTTTTCAATTTTTCAAGGGAA
ACTTACACCCTGAAAAATGNTGACCTCTCGTCCAGGTGCCGGTGCCCTTCATGGCCTT
GTAAATCCCCAAGCCACTTTTGG

Table 2

Sequence 3859

GAGCTCCCCGCGGTGGCGGCCGAGGTACCCAACAGAGGTATGCATCAGCAGCAGGCCGGC
GCCCAGGAGGGGCAGCAGCCTCACGCGGGGCTTCTGGTCT

Sequence 3860

CGAATTGGAGCTCCCCGCGGTGGCGGCCGCGGCACAGTGGCTCATGCCTGTAATTCACA
CTTGGGAGGCTGAGGCGGGTGGATCACCTGAGGTCCGGAGTTCGAGACCAGCCTGACCAA
CATGGAGAAACCTGTCTCTACTAAAAATACAAAATTAGCTGGGCGTGGTGGTGACACC
TGTAATCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATCGCCTGAACCCGGGAGACAGAG
GTTGTGGTGAGCCGAGATCGTACCACTGCACTCCAGCACTCCAGCCTGGGCAATGACAGC
GAAACTCTGTCTCAAAAATTATATACATATATATTTTTGGCCAGGCGCAGTGGCTCACG
CCTGTAATCCCAGCACTTTGGGAGGCCGAGGCAGGCAGATCATGAGGTCAGGAGATGGAG
ACCCTCCTGGCTAACACGGTGAAACCCCGTTTCTACTAAAAATACAAAAATTANCCAGG
CGTGTGGCGGGCGCCTGTAGTCCCAGCTACTGGGGAGGCTGAGGCANGANAATGGCGTG
AACCCAGGAGAGGCGGAGCTTGCAATGAGCTTANATCGCGCCACTGCACTCCAACCTGGG
GGACACAGCNAGACTCCGTCTCAAACCCCTAAANAAAAGGCCNAAAANAGTGCCCTGGCCC
GCTTNTAAAACTTAGTGGATCCCCNNGGCTGCAGGGAATTCAAATTCAAAGCTTTATGG
GATCCCGNCCGACCTTTNAGGGGGGGG

Sequence 3861

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGAACATCAAATGT
TAATCGAATGCAGGCTCCAGGGAGAAGCAACTTCCTGGGCATGCGTGTTAAGAGACAAAA
AATGATGACGTTTGATGACCACTCCACCAGAAAAGGGAAGAAAGCCTGAGGGGCCTACGT
GGACCTCCCTAAACACACTGCGCATGCTCCATTCAAACGGTATGGCGAGCACTGCGCAT
CGGGGAAACCCACCCTGTAAGGGAAGAAATCCTGGGAAAGAGGCAAGCCTATGAAGTCCCA
GGATCAAGGTTAAAGACCCTTTTTTTACTGTCTTCTTGTGCTCTCTTTCTCTCTTGA
CCTTCAGGCGCCTGCTTGGGTCTCTTCAAGCGAATTTTCTTTCTTCTGTTCTAAAG
CCTTTAACTAACTTCCACTCCTGCTCTGAACTTGCTCTCTTTTCTGCCTTAACGCC
CCTCAGTCGAATTTCTTCTGAGGAGGCAAGGACTGAAGTTGCTGTGGACCCATAGGG
ATT

Sequence 3862

CCGGGCAGGTACGCGGGGGCCATTCCGCTACTGCGCAAAGATGGTGGAGGAGGAGAACAT
CCGCGTGTTGTTGTGGCGGCAGCGAGTTGAACCTTAGGAGAGCTGTGTTCTCTGCAGA
TTCTAAGTATATCTTCTGTGTCTCTGGAGACTTTGTTAAAGTTTACAGCACAGTTACAGA
AGAGTGTGTACCT

Sequence 3863

CCTTTGAANCCCCCNNTTNGGAAAATTCCNGCTCACCGNNGNGGCNCCGACTTTCCC
CCACACCATTTTGCCGAGCCGCANACTCACGGNNGGNNGGGGCCNCCCAANNANAAAA
CTTTNTNTTTTT

Sequence 3864

CCGGGCAGGTACGCGGGCTGTCATTCAATTTACCCATGCAGAAAAAATGGTAACCTGAAGA
GAGTGGCATGTGCCTGCTGCCCTTAGAGGTTATAGAATCCCCACAGTCAACAAAAAGCCT
CTAGAGACATGACTGTTGCCATGGAAACCAGAGAAAATGTGTCTTCTCATCCCTCATTTG
TAAATGAGGGGGTGGAGCAGATCATCTGTCTCTAAGGTCTTTTTCAGTGCTAAAATGTGG
TGATTCTTTGGGAAAACTTTTGCATCAAGTATGATTAAATATTCTGAAAGACGAGTGT
AGCTTAAAATTTGTTTTGTTTTAAATCTGTTTCATGGGTCTTCTTAAAATGGACCTTG
CCGAAAGGCGGCCTGTGACGGCCTCAGGTGGGAAGATGGATGTCCTTCAAGGGTGTGGC
TGGCAGTGGGGTTTGCA

Sequence 3865

AGGTACTGCTGCAGAGAAAAAGCATCCATGTCAAAAAGTAAAAATTCTATTCTACCTTG
CTCCGTTCCAGGCCTTGCTTACCTTCCTGAACTTTTTATATTCCTGGATTATCTTGT

Table 2

CTTCCAGGACCTTGATTCTGGAGTTCCTCGCCGAACCTCTTTAATCTCTGCTCCCAGCT
 CTATGAACCTTTGGCTTGCAGTCCCAACACGGGCATGCAGGATGCGGTATTCAGCATAAT
 CTGTCTCAAAGTCTGCTCATAGGCATGTTGCTGTTCTGCACTGNGGATGGCCCTGTATT
 GCAGGAGGTAGTCTGGTATATCTTCAGGACTTGGGGATTGAGAATCTTCTTGAAGTGAAG
 AACTGTGTTCTAATCTGGGGTCCATGTCCTCATCTTCTTGCTCCCAATCTTCTCCCTCTT
 GTAAATNCTGATTGGTCAGGCCTTGTTANGGGGCTTGG

Sequence 3866

TGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTCTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTCTTTGTTTNGANAGACGAGTCTTGCTGTCACTCAGGCTGGAGNGCAGNGATGCAA
 TCTTGGCNCACCTGCAACATCCGNCCTCCAGGTTTAACTGATTNTCCTGCCTCAGCCTCCC
 AAGTNGNTGGGATTATAGGAGTGCNCCACCNCACCCGGNTAATTTTTGATTTTANANAAN
 AAACAGGGTTTTGCCACGTTANACAGGCTGGTCTTGAAGTCTGACCTCAGGNGATNTGC
 CCACCTAGGCCTTCCAAAGTGTGGGATTACAGGCGTGAGCCACATGCCTAACCCATGTG
 AGTTTTNTTNGGAANATCAAGTTCCTAATAACTCCNGAAAAATTTTAAAAGTAACTCAA
 AATNTAAATNTCTAACTCTACCTTTGGACCAACCCAAAAATNTTACATATGGTATTCTA
 TATGGCCTATTCTTAAACNTTTAAAGACAATNTTGTNTTNCAGNCTTNTCCAAGGGAA
 ATATGCCTATCAATCTTTAGCATTTTACGGGACATATTGATTCTTNTCTCAAAAATCCT
 GGNGCACACTGACCTTTTTTAATTTTCTNTTTTTGGGGCAANGAGGGGGTTTTTANAAA
 ACCANGATTGNGTGTANCCCTCCCCCGGGGGGGGGCGCTTTTAAAACTAAGNGGATNCC
 CCCCCGGCTGNGAGGGAATTCGANTTTTNAAGCTTTANCNAANACCGCCCGACCCCCCA
 GGGGG

Sequence 3867

TATAGGTGCAATTGGAGCTCCCCGCGGTGGTGCAGCGCGCCCGGGCAGGTACGCGGGA
 AGGAGGGCTGTGTGGAGAAGATTGGGGGCTGGCTGAGGAAAAATGTGCTGGTGGTAGCTG
 CAGCAGCCCTTGGAATTGCTTTTGTGAGGTTTTGGGAATTGTCTTTGCCTGCTGCCTCG
 TGAAGAGTATCAGAAGTGGCTACGAGGTGATGTAGGGGTCTGGTCTCCTCAGCCTCCTCA
 TCTGGGGGAGTGGAATAGTATCCTCCAGGTTTTTCAATTAACGGATTATTTTTTCAGAC
 CAAAAAAAAAAAAAAAAAAAAANGTTCAAATAGCAACTTTTCTAATGTGTTTAAATG
 TAATCACCAATACATGTGTCCCAACTTCTTCCAGTTATAATTCTATTGTGTAAGTG
 AGGTATACCTGAAGTGAGGCAATAANAGAGTTGAGCTTCANACCTGCCTGGAAGAGCGT
 GTTCTTTCTTAANAGTCTGAGGGAAATGGTTGGGGGCACAAATTTCTCTCAATCTTTTTT
 TTTTCCCTCATCTGAGCTCTTATTTTCTTGNCTCAACTGCTTTCTGGTAACTTTGTTT
 ACCTGGTACCT

Sequence 3868

AGGTACGCGGGGATTTTTTTTTTAACTGTGCTATGGAGTAGAAGCAGGAGGTTTTCAACCT
 AATCACANAACANACCTACCCCTCCTCTTTCCACACCTGCAAACTCTTTACTTGGG
 CTGAATATTTAGTGAATTACATCTCANCTTTGAGGGCTCCTGTGGCAAAATCCCGGATT
 AAAAGGTTCCCTGGTTGTGAAAATACATGAGATAAATCATGAAGGCCACTATCATCTCTC
 TTCTGCTTGACACAAGTTTCTGGGCTGGACCGTTTCAACAGAAGAGGCTTATTTTGGACT
 TTATGCTAGAAAGAAATGAGGCTTTNTGGGGATAAGGCCCAAGNTCCCTGGATGGACCG
 CCGACTTTTCAAGCCCTCCCTAAGGCCCAATGGTGGCCCTTTCCCGCTTGTCATGCG
 ATCTTTTCAAGTGGGTCCAAGTGGTCTNGAATTTGGGGCTTG

Sequence 3869

CCGGGCAGGTACATTCTAATTATGCAGAACGTAAAGTCTGAATGCAAAAATTTTGCAG
 GAGATGGAGTTGTAGAGATTAAGATGGCGAGTAGGAGGCAGGACTAGCTTGCAGCTCCTG
 CTCAGACAGACAGAGTAGCATGTGAAGACTCACATCATGAACCTTTTGTCCAAGAAATAC
 CGCAGGAACATACCANGAAAGGCGAGAGAATCCACAGACCCTTTGAAGGAAGTGGATTGC
 TGCCGCAAGCTCCCTGAGATGCCAAAAAAGTGAAGTCAAGCTTGTCTCAGGTGGTGGTC
 TGGGGCAAGTTCTTCAGCCCTGGTCACAGGCTGCCTGGAAATAGACTCCATGCTGTTGGT

Table 2

CGGGCATGGC

Sequence 3870

CGGGGTGGCGGCCGGCTAAAAATTTTTGTATTTTAGTANAGATGGGGTTTCATCANGT
TGGCCAGGCTGGTCTGGCACTCCTGACCTNAGGTGATCCACCCGCCTCNGCCTCCCAAAG
TGCTGGGGTTACAGGCGTGAGCCACCGNGCCCAGACTCAAATCACATTTTTAATGATGT
TGCAAACCGAATGTGATTTTCTCGNATGTGATNCTCAGTTACAGAACTTACAGANCTT
TGCTTATCAACCCTAGACAATAAAACTATTCTACCTAGAGGCNTCTAGGANAGCTTTNN
CTTTACTCCACTTGTACCCTCGGGCCCCGCTCTAGAACTANGTGGGATCCCCCNGGGC
CTTGGCAAAGGAAATTCNANTGATTCAAAGCCTTTAATNCGGAATAAACCCGGNGCGGA
CNCCTNCNNANNGGGGGGGGGGGG

Sequence 3871

AGGGGGGGGGGGGGGGNGGAACTACAACANATATCTTANAAATTCACNCAANGGGGCT
NACTNTCATTTCCAAACTTTTAACTTTTAATAANCATCCATCACATGATCTGTTTTTACC
ACTTCACNTNAAAGACACCATTTATATACCCAAGGGCAGAAAGTAGAACTTACTATTAT
TAAA

Sequence 3872

AGGTACTTTTTTTTTTTTTTTTTTGGTTTGAGACGGAGTCTCGCTGTGTCCCCCAGGT
TGGAGTGCANTGGCACNANCTCAGCTCACTGCAAGCTCCGCCTNTCCTGTGTTNACGCCA
TTCTNCTGCCTNAGCCTCCCCAGNANCTGGGACTACAGGCGCCCGCCAACACGCCTGGCT
TAATTTTTGTATTTTAGNAGAAACGGGGTTTCACCGGGTNAGCCANGAGGGNCTCCAT
NTCCTGACCTNATGAANNGCCTGGCTTCGGNCTCCCAAAGTGCTGGGATTACAAGGCGG
TGANGCCACTTGCGCCNNGGCCAAAAAAATATAATTTGTNTATAAANTTTTTGGAGAC
NAGAAGTTTTCNCTNNGGCCATTNGCCCCAAAGCCTGGGAATTGCTGGGAAATTCCAAAT
GGCCCCCAANTT

Sequence 3873

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTGGGACGGAGTCTCGCTCTGTCTG
CCAGGCTGGAGTGCAGTGGTGCCATCTCGGCTCACCGTAACCTCCGCCTCCCGGGTTCAA
GCAATTCTCCTGCCTCAGCCTCCTGAGTAGCTGGGACTATAGGCGTGCGCCACCATGCC
AGCTTAGTAGAGATGGGGTTTACCATGTTGGCCAGGATGGTCTCAATCTCCTGACCTCA
TGATCTGCTCGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACTGCGCCTG
GACACATACATTCTTATAAGGAAACATACCCACNCATATAAAACGTTTTGAGAAGTGGA
AGAGCATGGTTCTGAGTCAGCNTGNGTGTATCTCTAACCTCCCAATTCCTAATCTTAA
AATGAAAATTCAT

Sequence 3874

CCGGGCAGGTACTTTGAATTTCTACTTCATGCCATGCAAAATTACTTTACCCCTTTTAA
CTCAGTTTTCTTCTGTGTGAAACAGGAACAATAGTTTCATTTCGTCATTTCAGTTTCTCTCA
AGATTTACGAGATCATACCTATAAAACATCCAAGTCATTTAAATGTATCATCATTTCTG
TCATAATTAGTGGGATCCATTTCACTATTACCCCGTACCGACACCATCTTGATTTGTATC
AGTTCACCCGTGTGGCAAGGCCTGGGAGCCTGGAGGCCCAATGCTGCTGGGAGGGGCGAG
GGATGGAGGGTCCAGTGACCACAGAGCCTTCTTGCAAAGTTTCCAGGAGGGTCTGCAAAC
TAGACGAGAGCAGCGCACGTCTGCACACGTGAATCAAGGTCTGGGGTGGTTGTCACCTTG
TACCTCGGCCGCTCTAAN

Sequence 3875

CCGGGCAGGTACAGTGTGATGTTTTGATACATGTATACATTGCGTAATAACCGAACCAGG
GTAATTAGCATATCCATCACCTCAAATATGTGTCAATTTCTTGTGTTGAGAACTTTCAA
ATCCTCTCTTCTAGCTATTTCAAATATATGCAATAGGTTATTGTTAACTTAGTCACCC
TACTATGCAATAAAACATTAGCACTATTTAATGTGAAGTTTTTAATACAAAATTTT
TAAGAAAATAAGCACAGGCTGGGCGCCGTGGCTCACGCCTGTAATCCCAGCACTTTGGGA
GGCCCCGAGGCGGGTGGATCACCTGAGGTGAGAGTTCTAGACGAAGCCTAACCAACATTG

Table 2

GGGAAACCCCGTCTCTACTGAAAATACAAATTTAGCCAGGGGTGGTGGTGGGCACCTGTA
ATNCCCAGCTCTTGGGAGGCTGAGGCAAGGAGAATTTGCTTTGAATCTNANAGGTGGAAN
GTTTGCANTNNAACCCGAANAATCGNGCCCATTTGGCACTTCCAGCCCTNNGGGGAACCA
AGAACC AAAAANTTTCATTCTCNTTTNTAAAAANNAGGAAATAATGGAAATGNAAAAGG
GGGATTTTCCCCCCC

Sequence 3876

CCGGGCAGGTACCCTACTCCAGGCCCTGGCTCCCAAGTGGCATCTCTGAACCTGGCCAGG
ACCAGGGTTGGGGGTGGGGGAGATTTCATCGCCCTGAAGGGAAAGACAATACTGGCTGGA
TTTGCTACATGCTGATAGCAGAGTCCATGGGCCCTTAAGGGAATACAGGCAGTAGCCAGGC
AGTGACCACCACAGGTCTTGGGCAAAACCCAGTGCTGTTCTGGTTCAAGTCTGATTCACT
GCAATACCAACGGTGGTGGCCACAGAGTGCCTGTGTACCTCTCTCCAGCTCTAGGCCA
GCTCAGCAAAGAGAGAGAGACTCACTTTATTTGTGGGAAAGTAAGGAAAGAGAACAAGAG
TCTCTGGTAATCCATGGAATTCATCCATATCTTACCACCAAGACCACCAAGGTGGAACAA
ATACAGGTCTGCAAGAGCCACAGCATTACTGGGCCTGGGGTGCCCC

Sequence 3877

CCGGGCAGGTACGGATCCTCCGCATATTATCTCAACAGAGGACAGTAGCTCAGGAGGCAG
CTTCAAACGGTGACCTGTGGCCTGGGCCATCTCTTCGTCATGTGCTTCACTTTTCCCTGT
TTCCCTGTGAACTGGCTTCCATGGTTCTGTAGGGTAGTGAGTCGGGGTTGTGGCTGCAGC
AGAGCAGGAGATGCTTGCCGAGTGGGAGCAACCCACCCCGTGTCCCAATGCCTCACT
CCTGGCTTCTAGTGCAGCCCTTTGTAGACTCACCTCGCAAGAAGGAAGATCTGCCTGGAG
ACCTGATCCCAGTCCAGCTTTTTGACCATAGGTATCTTTGTCCCCTTGCTCCTTTGCAT
CATGTCATAAAATTTGAGGATATCAACTGATTATTTTTTCTTCCAAGATGAAATCAAG
CAGAA

Sequence 3878

AGGTACAGAGCATAGTGAAGCATGATGGGTGGTAGTATTAGGAGAAAAACATCAGTCAAA
TTAAATTTAGCAGAGTTTATTTGAGCAAAGAAGTGAATCATGAATCGGACAACCTCCCTAA
ACCAGGAGAGACACCACACGGCAGTATGGGCAAGCAGTATTCACAGGCAGAAAAAGGAGG
TGACATACAGAAACAGCCTGGCTGGCCACAGATCACAGCTTGCCCTACTTGGTCACAGTC
TGAGGAGCTAGCAGCCTGTGGTGGACTGAAAGCCCAGCTGCTCTGATTAGCCAACATTTG
GCTACTTGTGCGAAGAATCTATTTCATCTGGGCCGGGTGCAGTGGCTCACGCCTGTNATCC
CAGCACTTTGGGAGGCCAAGGCGGTGGATCGCCTGAGGTGCGGAGTTTGAGACCAGCCCT
CGCCATCATGGGGAAACTGTGTCTCTTATTAATAAATACAAAAATTAGCTGGGCATGGTGG
TGTGTGCCCTGTAGTCCCCAGCTTCCCCGGGAAGGCTGAAGCAGGAAATCACTTTGAAT
NCAAGGAAGCGAAAGTTGCAGTGAGCCAAAAATGTGCCACTTGCACTTCCAACCTTGGGG
CGAACAGAAGCAAGGAGTTCCATTCCCAAAAAAAAAAAAAAAAAAAAAA

Sequence 3879

AGGTACTCATGCCGATTCATCACCTCCACGATGTTGATGATCTTCTCGCAGAGTTTCTCA
CCCACCTTCTCCCGGCAGATCTGCCGCTCCTGCTCCGTGGCCAGGGCTACCACATGCACC
TTGACCGTCCACACTTCCCATGGGATGCACTCGTCTGAGAATGGCCAGCGAGACTTCTTC
TTCTGGTAGAACTCCAAGGACATCTGCCCCAGCCCATCGCCACCAGAGTTGCGCAGTGCA
TCCTTGAATCCCCAACACCTTGCGCAGGGCACGATCCAGTTCTCAGAAGAGACACGC
ACATAAGTGAAGTCGCCCGCTACCTGCCCC

Sequence 3880

CNAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGTGGTTGGGTGGTAAGAT
GGCGGCTGTGAGTCTGCGGCTCGGCGACTTGGTGTGGGGGAAACT

Sequence 3881

CCGGGCAGGTACTTT
TT
TTTNANGGAAAAAAAAAAAAAAAAAANTTTTTTTTTTAAAAAAAAAAAAAAAAACAANC

Table 2

ANCNTTTNNTNNTTAAAAAAGGGNCCCCCANNNGNNNNNTNTAAA
AAAAAANCAACCNCNNNTAAAAAACNNCNCNAAAAAGGATTCCAAAA
AAAAACCANTNCNANGGGGGATANAANAAAAAATTTNTTTNNAACNAAA
ACGGANGAAGGCNANCANNCNNAANAGGNGANAGGANNCGAGANCAANCNTNCCNCCCC
CCCAANACCNAANANAAAAACNACCCCCCNCAAAATCANANANAAAAA
ANNGGGGGNGGNGGNGGNNCCCCACCCNNTNTTAAACCNNANAAAAANNGGAAA
AAAAAANNNNANTGAACTTTNCNTTTCNTNNNCNAGTGNGG
GGAAANNAACCCCCNCCCCNCAAAAAAANCCNACCCCCCNCCG
GNNGGGNAANAAAAAATNTAATTTTTNCCCCCCCCCCCCCN

Sequence 3882

CCGGGCAGGTACCACCACCTGGCTAATTTGGTATTTTAGCAGAGACGGTGTTTCACC
GTGTTGGCTAGGCTGGTGTCAAATTCCTGACCTCAGGTGATCCACCGGCCTCAGCCTCCC
AAAGTGCTGGGATTTCAAGGTGTGAGCCACCATGCTTTAAAAATTACTATTTGAATAATGC
TTCTGATAATTTTCTTTTTTTCTTGANAATCGCTGAACCCGGGAGGCGGAGGTTGC
AGTGAGCCGANATGGCACCATTGTCTCTAGCTGGGTGACNAGCAAACTCCATCTCAA
AAAAAANGTTTANNTTTNCNTTTGTNCCCNAAACCTNTTTTNNGGGTTTNTTNA
NAANTNAGGCAANGGNAACCTTTNCCNTAGGANNTNNNTCTNAAAAAATTTNAAANNNC
GGNANCCTCCTTTAAGGGCNGCTTTTANTTTTTNGCCTTGAACAAATNCCTTTTTTAAN
TTTTNNGTTTTNTAAAAAATTTGGACAAATGNITCACCATNTCCTAAATNTAAC
GTTTTTGTCTGTAANGGGAACTTTTGGGACTGTTGGGGAATTTTAGGGAAAAAATT
CNNNGTTTTAANATTCAAGCCTTTTNNTTTCCGGGTTTTANAATTNAACCCCCNGTTT
TGGAATTTAAAAAATTNCTNGAATTNGGNANNTTTTTAAATNCANGGGGGGGGTT
TTNNTTGGGGGGGGGGNGCCAAAAGGGGANAGGGAATTTTAAACNTTTTTTTTTT

Sequence 3883

CCGGGCAGGTACGCGGGGGGCACCAGCTGGGTTCTCCAGGGAGCAGGAGTTGGACCTCCA
TGGAGCCACTAGGCCTGGCCTCCTCTACACATCCCAGGGCTATCTGGTTAATTCATCA
AGCTCAGAGTTAAAAAGCATATCAGCCTGGAGTATTTGGGAGAGACTGGCTGCAGATCCC
CGCCAGCCAAGATGCAAGCCACTCGGGACCTGATGTGCGCAGCTGTGCCTCTACTGCCCT
GAGGACTTACCAGAGGGAGCCCTACTGGCCTTCCCCACCACAGCAGCCCTGCCT

Sequence 3884

AGGTACAGGAAGCATGGCTAGGGAGGCCTCAGGAACTTACAATCATGGCAGAAGGCGAA
GGGGAAGCGTGTATGTCTACATGTTGGAGCAGGAGGAAGAGAGTGAAGGGGAAGGCGC
CACACACTTTTAAACAGCCAAGGCTAATGAGAATTCACCTCACCATCATGAGAACAGCAA
GGGAAAATCCGCTCTCATGACCCAGTCGCCTTCCACCAGGCCCTCCTCCAACACTGGGG
ATTACGATTCGTATGAGATTTGGGTGGGGACACAAAGCCAAACCGTATCAGGCTGTTTT
CCCTGCTGTCAAACCTCAATCCTGACCTATGACCCTTANCTGTCTCCAGGAGGTCTTCACT
AGCACTCCCGTCATCGTATTAATCTGGCAGGATAATTGTAGTTACCTAAAACTGAAGCA
TTGTGCGCCTCAATCTTGTGCNAAAAAGAAATGCTGATTTTTTTTT

Sequence 3885

CNAATTGGAGCTCCCCGCGGTGGCGGCCGGGTGCAGTGGCTCATGCCTGTAATCCCAGGA
CTTTGGGAGGCCAAGGCGGGCGGATCAGAGGTCAGATCGAGACCATCCTGCCAACACGG
TGAAACCGTCTCTACAAAAAANTNCCNCCNCCNCCNTTAAAAA
TNNGGNNCCCCNCGNNNNNNNAANTTTNNNTNNAACNTTTTNNATCCCNCCNCCNNGG
GGGGGNNCCCNCCCCCNNTTTTTTNCCTTTNNAANNGGNTNAANTNCCCTTGGNNA
AAAAAGGNAAAAANTTTTTCTGAANNTAAAAATAAANAACACNTTANATGTTACTG
TGTGAANAATAATGCCTTGTNTGGTGTNNATACNNGTGTNAAAAAT

Sequence 3886

CNAATTGGAGCTCCCCGCGGTGGCGGCCGACGTNCCTGNGCNANCTGATGGCTCNCANCN
AGNNGGGCACACACTCNCNTGGCCTTNNNATTNTGNNCNGTNANANANAAGGTAATGTNTA

Table 2

CNTTCCCNAATAATTCATAATANNCANGGNNTATNNTTAACATNTTTNTTGAATGTNTNT
TTNCCAACAAAAGACATTTNCTCATCTATTGTTTAAATTAATAATCCCAGGCTCTNCTTT
GACCTGAAGTATTTTATCTATCCTCAGTCTCAGGACACTGTTGATGGAA

Sequence 3887

GATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGGGCAGGTAAGTACCTAGAAAGTCCCCCTACCCAC
ACACACAGACAGTAGCCACCTAGAAATATCCCTGCATAGGGTCATTATTGTGTCAAAAGA
GAGAGAGGGACAAAGTTACTATTATGGGTTGGACTGTGTCTCTTAAATTCATATGTTA
AAGTCCTAACCCCGAGGACCTCAGAATGTGACCTAATTTGGAAATAGGTTTGTTCGAGAT
ATAACTAGTTAAGATAAGGTCATCAAGGAGTAGGGTAGACCTCCAACATGACTGGTATCC
TTATAAAAAGGAAAAATGTGGACACAGAAACGCACACAGGGAGAATGCCACATGCCGA
TGAAGGCAGAAATTGGGGTATTGTTTCTATAAGCCAAGGAATGCCAAAT

Sequence 3888

NAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCNNGGAGAAGAGGTGGGGACCNCAAT
ANNGGTCACCTGGACCNNAACATGTGACCTGCANATCTGGCATCAGCANGCTCATNAGT
TCAAATGTANACTCCACCTCTTAAAACTCGTGATTTCTAGCNTATTGACTTCACCCCTG
TNTCAGGGNTTTAACAAAATCNTAGCCNTNCNTCNCNTCAGGCCTGTAATCTCACCCCTT
TGGGAGGCCGATGCGGATGGAAGGTTTGAGGCCAGGAGTTCAAGACCAGCCAGGGCAACA
TGGTGAGACCTCATCTCTACAAAACGAAAAATAAAAACTTTTAAAAAATGTTNNAAA
AAAAAAAAAAAAAAAAAAAAAAAAANATNTCCNTNCNNGGGGGGNGT

Sequence 3889

GNAGCTCCACCGCGGTGGCGGCCGATGTACAANNAANNATNCCNNNGCTGCAANANTT
CTATNNNNNCTNATNGATNNCGTNCNCNTNTANGGGGGGCGNNTGTNCNCATNNNTNNTT
NNCTTTNCNNANGNNANATNGATCNCNNGNNAANNNNNNGGNNATACNNNTNCNNTGTTG
GCTGCAAGAGCCTCGATGTAGCCGGCCAGCGCCAAGGCAGGCGCGGTGAGCCCCACCAGC
AGCANAAGCCCCGCGTACCTGCCCCG

Sequence 3890

CCGGGCAGGTACGCGGGGGCCCTTGCTCACTAGAAGGAGCCCCCTGACCCCTTCTTCCAA
AAATACTTTTTGTCTTTGTCTTCGTTTCTGCATTATCCCCCTTCGTTCACTCCCATAAC
AACCAACAGCGACAACCTGGCACCTAGGACAGGGACGTGAGTGAAGGTCTGCTGGAGCAGA
GAACTGACACTGACAAGAAGAACGAGAATGAGAAACCCTGCGACGAGTCTGCTGACAGC
TGATATAAGTCTGCAAAATCAGCTGGACCACCAAACGGCAATTGAGAGCTGCACAACCTG
CAATTACCTTTATTCAATTAATGCAAAAACAAAATGGGGAGATGTTACAGGCCGAAAGA
ATGAAGGTCGTGACCAACTCAGTATACCACTGAAGGCTATATGAGCAAAACAGAAAACGT
TCTCATGAAAGCAGGATGTTGGAAAACTAACAACTGTGTCTTGCGCCAGAANGGTTTGCT
GAAGGCAGTCATGCCCCAAGCGCAGTGTTCCTTTGTGATTATCTATAGTAACATCTTGAA
GCCTGTTGTACCTCGGCCGCTTTTAAACTAGTGGATCCCCCGGCTGCAGGAATTTTCGAT
TTTCAAGCTTATCGATTACCCGCCAACCTCNANGGGGGGG

Sequence 3891

CCGGGCAGGTACGCGGGATCCAGAAGGAGTCGACCCTGCACCTGGTCCTGCGTCTGAGAG
GTGGTATGCAGATCTTCGTGAAGACCCTGACCGGCAAGACCATCACCTGGAAGTGGAGC
CCAGTGACACCATCGAAAATGTGAAGGCCAAGATCCAGGATAAAGAAGGCATCCCTCCCG
ACCAGCAGAGGCTCATCTTTGCAGGCAAGCAGCTGGAAGATGGCCGCACTCTTTCTGACT
ACAACATCCAGAAGGAGTCGACCCTGCACCTGGTCCCGCGTCTGAGAGGTGGTATGCAGA
TCTTCGTGAAGACCCTGACCGGCAAGACCATCACTCTGGAGGTGGAGCCCAGTGACACCA
TCGAAAATGTGAAGGCCAAGATCCAAGATAAAGAAGGCATCCCCCCCCGACCAGCAGAGGC
TTATCTTTTGCAGGCAAAGCAGCTTGGAATAATGGCCCGCACTTTTTTTGACTACNACATT
CCANAAAGAGTTCGACCCTGCACCCTGGTCCTTGCCCTTGANGGGTGGCTTGTTAATTCT
TCANTCATTGGCATTTCCTCAATGGCCCAAGTGGATGGCATTACTTTTGCCCTTNTACCCT
TTTGCCCCAACNTAAANTTTANAAAATTACAAGTTTCANTAATNANCTTGAAACCTTTCN

Table 2

AAAAAGTTAATAAAAGGTTTCGTTTGCCTGGNNNNAAACCCCNNNNNNAAAAAAAAAAAA
ANAAAAAAAAAANCCNCCCGCCCCCTTTAAAAAANTTNGNGTCCCCCGGGGGGGG
GGGAAATTTNTTTTNNNNNTTTTNTNCCCCC

Sequence 3892

AGGTACTTCTTGTTAGATTAATTAATACCAATTATCAGTATAAGAAAATGGCAATAAAT
TGTCAAAGTGGAATTGGAAAGTGTTTTAGGATTTGGATATGAAGCAGGCTTCCCATGTG
ACCATTCCTCACTTCTTATTCTGAAGTCTAACTCTGCTTTTCTTCTCTCCCTCTCTTC
ATTGATTCTTCTAGTGGCTGGTGTGGGTATTGTGGGAACGAGCTTTCATCTCCTATG
TTAGCCATAGAGATGAAGGCTTTGAGGGCACCATGGAATCCGATTGCTGGAAATAAATCA
ATCTTAAAGGAAAGGAAAAATTTAAAAATCAGGTGCAACAAAAGCAAAATGAGAAAATGC
TAAACTCTACAATTCTATAAGAAGATTGCATAAAAGGAAATAACAGGAAAAGGTAAG
AAAATTTAAAGGATATCAGAAAATATAGCATACAGGGTCAGAAAGATTGAGAATATGA
CGAGATGGTTTTAGAANGCAGGATGGGGCCCGGCACNGTGGCTCATGCCTATNATNCCAC
ACTTTTGGGAAGCTGAGCANACCGATCACGAGGCAGGAGATCGAGACCATNCTGGCTTAC
ACNGGGNAACCCCGGCTCTTCTTAAATNCAAAAAAAAAAAAAAAAAAATT

Sequence 3893

GAATTGGAGCTCCACCCGCGGTGGCGGCCGAGGTACTTCCCTGTGGCACGTTACCATGGA
AGCCGCTCCAGGGTGGGTGAGGTGCAAGCTGCTGGTGAGGTTTGAAGCATCAGGCTCA
CGGGTGTTTCATGTGTGTTCTGCGTGTGTGCGTACCTGCCCC

Sequence 3894

AATTCGACGCTCAAGTTCAAGAGGTTGGCCGAAAACCCGACAGGGACTATTAAAGGATAC
CCAGGCCGTTTTCCCCCTGGGAAAGCTNCCCTCGNGGCGCCTCTCCTGTTNCGGACCCC
TGGCCGGCTTTACCCGGNTACCTGGNCCCGGCTTTTCTTCTCTTCGGGGAA

Sequence 3895

GAGACANGAGGGACAGGGAGGCTTCGCGGAACCCTACGCCCACCCGACGCGTTCGCCCGT
CCGTTTTNTATTNTGATTTTTATTTTGGTTTTTTGNTGTTGTTCTCTCTTTTGTCTTT
TTTNCNTTAGACACGGNGNCNNCTNTGAGTGNCCCTCTNGTCTCGAGTCCCCGGGCTCAA
GCAATNCTNCCGACTCANCCTTCGNAANATGTGGGACTACAGGCNCGCATNNTCGCNCCN
GGCCNANNCCNGTNTNNATCCTTNCCTTAAATNAGCAAAAGTNGGTGTCTTTTCTCTG
GCAGATGGACCCTCCCTTGANCAGNGGNGNAAAAAGGANGACAGACACANGGGAGGATA
AGCACCTGCACCGCANCCTNAAAGGCNAGANATTNGGAATGACACCCTTNTGCAAGGCCC
AANGGAAACACCGGNGCCATTTGGNTTGGGGAACCNACCCGGGAAGAAAAGCCCAGAANG
ACCAGGCCTTGGGAGCCTGGGCTTTTNCCTTCAAGCCCCCAGGAAAGGGAACCCAC
CCCTGGGGGCCNCCCTTGATTTCCGGACTTTTGGGCCTTCCANAACCTGGGGANAAAAAA
AAAAATCTNNTGGNTGCTTTTAAAAAAAAAAAAAAAAAAAAAAAAANGTTCCCTCNGGGC
CCCTNTAAAAACTAGGGGGATCCCCCGGGCTTGANGGAATTTNAATTTTAAGCTTTNT
TGATCCCGNCGACCTNNGNGGGGGGGG

Sequence 3896

AGGTACTGTNAATGTCACTGTATATACTCTTTATTTTACGCTTTGTCTCATATCCAAAAT
CAAACAAAAAGGATGTCTTCAGAAATGTAGAATTGTGCAGTTTGGTGCTGTGCCACAC
CACTCTAAAATTAATGATTAATTGAATCATTTGAGGTGCTCAAATTAATAAATTTGGC
ATTGTGTGGGTGACAACCAAGTGAATGTTTTCTTTTATCAAGCTATGTGGGCCCATAT
TTTTGGAGACAGCCAGAAGTCTTCTGGTCTCTTTTCTACCCTGGTAATTCTATTCCAAG
GNGCCTAAGAACTGGGGAAAGTCCCANCTTGGGGTAATGTAGGTGAGGACCCTGTCTCTA
CAAAAAAGGTAAAAAATTAAGCCCAGGTGCCAGTNGGCCACACCGCCCTGGAGGCCCCC
AGCTACTTTGGGGAAGGGCTTGAGGTTTGGGAGGGATCACTTTNAGCCTGGGGAAGTTT
TGANGGCTTGTAANTGGAAGCCTGCGNANTTTGACCCACTGCCACTTTCAAGCCCTGGG
GCCACCTNGGANGGGGAGGAACCCGATTCCCCAAAAATNNAGNNTATTATGNTNCANTT
NACAAANANTNAGGGNNCCCTGGCCCCCGGGGCCGGGGCCGNCCTTNTAAGAAACCTAA

Table 2

GGGGGGATTCCCCCGGGCCTGGCAAGGGAAATTCGANTNTCAAAGCCTTNATTGCGN
ATAACCCCGNNNGACCCCTCGNNGGGGGGGGGGGCCCC

Sequence 3897

GCCGGGGGAGAGGCCGGTTTGCCGTATTGGGCCGCTCTTCCCGCTTCTCGCTCACTGAC
TCCGCCTGCCGCTCGGTTCCGTTTCGGCCTGCGGCCGAAGCGGGTATTCAAGCTTCACTC
AAAAGGGCGGTAANACCGGTTTAATCCACAAGNAATCAGGGGGGGGATAACCGCCAGGGAA
AAGAAACATGTGGAGCAAAAAGGCCCAAGCCAAAAAGGGCCAGGGAACCCGTAAAAAGG
CCCCGGTTGCTGGCCGTTTTTCCCATAGGCCTCCCGCCCCCCCCCTTGACCGAGCCAT
TCA

Sequence 3898

CCGGGCAGGTACGCGGGGAAGGCAGCGATGGCGATTTTGTAGTGTATGTGGTGAACAAA
GCTGGCGGCTTGATTTACCAGTTGGACAGCTACGCGCCACGGGCTGAGGCTGAGAAAAC
TTCAGTTATCCGCTGGATCTGCTGCTCAAGCTACAGCATGAGCGTGTGTTGGTTGCTTTC
GGCCAGCGGGACGGCATCCGAGTGGGTGTCAGTGTGCTGGCCATCAATGGCATGGACGTG
AATGGCAGGTACTGAGAATCAAGACAGAGTAGCCATTATATAACCCACTTGCCCTTTTA
TGAATGTTTTTCAAAGAGGCTATTTAACTCAGGTTATTCTACTCTATGGGTAATATTGCA
TTTGTTAAGGGGAAAACCCACACCCTAAACTTAAAGATTACCGGTACCT

Sequence 3899

CCGGGCAGGTACACAGAGTAAAGAGGACAAATAGGTGAAAGAATAAATGAAAGGCTGGAA
TCCCACTTCCCCCGCTGTCCAGGGCATTGGATATTGACGGATAGGAGGCAGCAAAACAC
TCACAGAGCCAGGAAGAAATGAATGCGTTGGTATTGTCAGGAGGGGAAGCCGGCCCGACT
GAAATACGCTATGACCATAGCCAGGAGATACTGATGGAGAGAAAGGAACACAGAGAGGGA
GAGGTCACATCTTGAAGAGGAAGATTGTGGAGAGGGGGAATGAGGGTCTGGGGAGGGGC
TGCCCATCAAGAGAAGGGACCTCAGTGTGGGGTGACTACTCATTTGGAATTTGCGGGAT
GGAGGGGTATTGGAAGGTCGGGATGCAAATCCTAGAAGCCAGAGGAAGGGTTTTGGGTGA
TGCTCCAGGATGGTGGGCTNCGATGGGATCTTTGGAG

Sequence 3900

GCNCCACCGCGGTGGCGGCCNCCCGGGCAGGTTCCAGCTCTNTTCATCCCCAGGGTTTAT
GCTCACCGGTCACTGCTGGTGTGACATGATGGCTGAGCACCGGCACTGTGTCCAGCGCAT
TGCTAGGCACTANACACGTGCTCTTTCATTTATTCTCAAATTGCTTTGTGCTGTAAACG
CTACCCAGAAAGGCTCATGTTCACTACTCAAGTCACTTACCAGAAAGTGACAGAGCCAG
AATTCAAACCCAGGTCTGCCAGATTCCAGGTCCCTTGCTTCTTCTGTTGTTGCTCATTGC
AAGGGAGTCTTCTTCAAGGTTATTCTCAGGACTTTGATTAAGATACAGGCTCACAGCTGG
GCATGGTGTCTCATGCTGTAATCTCAGCACTTTGGGAGGCCAAGGTGGGTGGATCACTTG
AGCTCAGAAGTTCGAGACCAGCCTGGCCAACATGGTGAAACCCCTGTCTCTACTAAAAATA
CAAAAATTAACCA

Sequence 3901

CCGGGCAGGTACACTGGGTGATGAGGGCATCAGGTAATGCCCACTAAGGCCTCAGTGAC
TGCCCATCAGGAGGGATGGGAGCTGCAGACCAACGTTACTGACTTGACGCANACACAAAG
CAAAAGTGGAGGACGGTGGAGGAAGAAGCANCCCAAGGGAGGCCGCGGCCAGACCACTGCN
TGAGACTCGTACCT

Sequence 3902

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTATTTCTGCAAATGCTGATGTTTAA
TGACCTATTCTACTTGAGGAACCTGGACAATGAGGATTTTCTAAAATGCCAAGTCATAAA
ACCTCANACNCTTGCAAAAATAAGAGAACAAATNTGCNCGGAGCTGCTCAGCCACTGATAT
GTCAACTCCTGGGAACAGCTGGTGTCCACGGGGGAGGGGGCAGCATGTGGCCAGGCATGT
GAGTGGCTTCCACTCAGGANAGCCCCNTGAGCAGGTCTTGTTCAGGAGTTCAAAATATG
TCTTCCAGGGCATGGTTTCAACAGTGAANAAGCAGGTTGTTTCCAGCTCCAGGCTTTNTTGA
AAAGGGCAGTTGTCAATGTCATCTTCAAATTTCTACATACGGNTTGGCGCAGTTGCAGA

Table 2

TTCATGGAGAACACCATNTTACCCCG

Sequence 3903

GTCTTGCTGTTGCCAGGCTGGAGTGCAGTGGCATGATCTCGGCTGACTGCAACCTCCGC
CTCCCAGGTTCAAGTGATTCTNTGGCCTCAGCCTCCCAGGTAGCTGGGACTACAGNGCA
CACCACCACACCCAGCTAATTTTTGTATTTGTAGTAAATACAGGGTTTCACCACGNGGGC
CANATGGTCTCAATCTNTTGTCTTNGATCCACCCACCTNTGCCTCCCAAAGTGCTGGG
ATTACAGGTATGAGCCACTTGCGCCCAGCCTATAAATNATTAAAGCTAGACAGGCAAAAT
TTACCAATCTTAAAAAATGCTNTATAGCATTTATTTAGTTAATAGTCNNGGGNCAACA
TTTCTGCTAACTGATATGCTTATATTACCTCATTTTAATCCTCNCAACAATTCTNTGGAA
TAATTTACTATTTATTCCCCTTTTGNACCTCGGCCGGTCTAAAACTAGGTGGATCCCCCG
G

Sequence 3904

NCCCTTTGAAACNNCTATAGTTTGAATTGGAGCTCCCCGCGGTGGCGGTNGCCCGGGCA
GGTACTTTTTTTTTTTTTTTTTTTTTTTATCATAAGATAATGCAGAACAGAGAGATG
GCTACAGCCATGCAGATGAGAAGAAGAAAAGAAATTTCAAATCTTGGATGTTTCTTTTGC
CCCTAAGGCTTGAGGACAGGGAACAAAAATGAGAAACACTTACCCTATNTAAAGCACCC
AGTTCAGCAGGCCTGTGCGGAACANAAATGACTCCTGAGGAAAGGNGGGGGCCGGTCTG
AATAGTTGATTTCTNTCTTTAATGAAAAAGAACATGAGGCCGGATGCGGTGGCTNACGCC
TGTNATCCCAACACTTTGGGAGGCCNAGGCANGTGGATTGCTTAAGCTCAGGAGTTCAAG
ACCACTCTGGGCAACATGGTGAAACCCCCGCCTTTNCAAAAAAATACAAAAAATTATTAG
GCGTGGTGGTNTGCCCTTGTNGTCCCACTNCTTGAGGGGCTTANGCAAGAAAATCCTTTG
AACCTGGGAGGTTGAGGCTGCAATGAGCCCCAANATTGANCCANTNCACTTTCTNNCTG
GCGANAAAAANGGGAGAACCTTNTCAAAAAAAAAAAAA

Sequence 3905

GAATTGGACTCCACCGCGGTGGCGGCCGCCCGGCGAGGTNCGCGGGGGCGGCGNGCTGGC
GGAAAGAGCTGGCTCAGGGCGTCCGCTAGGCTCGNACNACCTGCTNGAGCCTCCCAAACC
GNTTNCATAAGGCTTTGCCTTTCCAACTTCAGCTACAGTGTTAGCTNAGTTTGAAAGAA
GGAAAAAAGAAAATCCCTGGGCCCCNTTTCTTTGNNTCTTTGCCAAANTTCGNCGCT
TGTANGNCTTTTTTT

Sequence 3906

CANGAAGCACACCATGCCTTCCCTNCATGTTCCATCACGGCGCCACAATCTGTGTCCCTT
AACTTCTCAGGGTCAAAGACAAAGGCAAGCGTTGCTGAATTTCTCTTTAATGGCCATTG
GAAGAGTCTGGTTCACTTTTTCCCAACTCTCTTCCCACTCNTATTTGGGGCCTCTGGGTT
TTATGAAGGCACAAGGAAGTGTGACTTTGTACCTCNGCNCNGNTCTAGGAACTAGTGGATC
CCCCGGGCCTGCATGGNAATTCANATATCAACTCTTTNTCCGATTACCGTCNNACCNTN
ATAGGGGGGGGG

Sequence 3907

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTGAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTANCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAA
CCCANGAGGGGGAGGTTGATTGAGCCGAGATCGCGCCACTGGCTCCAACATGGGGCGAC
NGAGCATGACTCCATCTCAATAATAAANAAGAAAGAAACANNGAAAAAAGCTTAT
ATTGAACCTNTTGNNGAAAGAAAAAAGAANGCCTGNTGCACACAAATCTNAATTTGG
GAAGGTCNTCCAATTAAAGGGNNTTTTTTTTTGCAATCACAAAATAATTCTTTACTCCC
CCCCAAAAATNCAATNAAAAAGGTCNAANTCGCCNACCTTTTNNCTAAATGNGGGTTTT
AAAAA

Sequence 3908

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGCTATTCACCCTTTCTAA
CATCTTTCTTCTTGCCACCTGTATGCCACAAATATAAGAATGAAATAGGCCAGGTGCAG

Table 2

TGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCTGAGGTGGGTGGATCGCCTGAGGTC
AGGAGTTTCGAGACCAGTCTGGCCAACATGGTGAAACCCTGTCTTTACTTAAAAAAATAC
AAAAATTAGCCAGGTGTGATGGCAGGCACCTATGTATAATCCTAGCTACTCAGTAGGCTG
AGGCAGGAGAATAGCTTGAACCTGGGAGGCGGAGGTTGCAGTGAGCCAAGATTGTGCCAT
TGCACTCCANCTGGGGTGACAAGAGCGAGACTTAGTCTCAAAAAAAAAAGAATGAAATAA
AATTGGCCCCGGGCGCTGTGGCTGACGCCTGTAATCCCAGCACTTTGGGAGGCCAAGGCGG
GCAGATCACTTTGGGGTCAGGAGTTCAAGACCAGCCTGGCCAACATGGTGAAAACTCGTCT
TTACTAAAAATACAAAAAATTAGCCCGGTGTGGNNGGCAACAGGCCCTATTAGTCTCNG
CTTCTTCNGGAAGCNTGGAGGGCAAGNAAAAATTGCTTTGAACCCTGGGAAAACCGGAAG
GTTGNANNTNAAAGCCCNNTNAAAAANNNAGNGGGAATCCCCCGGGCTTGCAAGGAAAT
TTCANATNTAAAAGCTTTTTNTTACCCGNCCAACCNNTNAGGGGGGGGG

Sequence 3909

AGGTACANAAGAACTTCCCAGGATCCTCCATGCCGTGACTTTCATCCTGCCCCCACCTG
TGTGTGTGTTTCTGCCTGTCCCTGCACCACATACGGACCCCTTACAGGGCGCTGTGGAA
GCAGGAATTCCTGGGCTGGAATGCCAGTTCTCCACTTGAGCTGTGTGACCTCAGGCTGG
TGACTTGACCTCTNTGATACACATCTATATTGAATGTGTATCTATTGAATGTGTGTACC
TGTAATGGAATCTGACCCACATTCAGGGCTATGTGAAGGATAAACAGTTATGTGAA
GTACCTGCCCC

Sequence 3910

GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGTGGTTGGGTGGTAAGATG
GCGGCTGTGAGTCTGCGGCTCGGCGACTTGGTGTGGGGGAACT

Sequence 3911

CGCTACAAAAACGTGGCCAGACTCTTGTTTACGTCACTCCCTGATCACATTTCTAGTTAG
CGGGTGAAGTCTTTCAACCGGGTCTCTGGCTACCTTGACTGCTGTTCTCTGGCCGACAG
AGGTCTCAGGCCTCCCTGAGTCAGAGCTCCAGGGGGAGGACCAGATTGTCATCTGTGCT
GGGGGTTCACTTTTGAGAGAGTTCTCCTCTGAGACCTGATCTCTGGAGGCTGGGCACT
TGCACTTGAGGTGGGGCTGGTCTGATCTCAGCACTCCTTAGTCTGCTCGCCTCTCCCATG
GCCCCAGCCTGGCCACACCTGCTTACGGGGCACTCGTAGATGCCACACCATAGCTTCCA
TGCTAGTGGACTGTACCTGCCCC

Sequence 3912

AGGTACATTAGGAAATAAGTCCTCTAAAAAGAAATCATGATCCTGCTATCCAGGATTAC
TGATATCAATTAGGAGCTTTCATTCTTGATGCCTTCCAAGCTGATAACCAAATGTCCCTG
CTCTCAGAGAATCACCAGTGTGACTCCAATGAATGGCAGTGCGCCAACAAACGTTGCATC
CCAGAATCCTGGCAGTGTGACACATTTAACGACTGTGAGGATAACTCAGATGAAGACAGT
TCCCACTGTGCCAGCAGGACCTGC

Sequence 3913

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTATAAACACACAGGCCAC
TCAGCACATCGGATTGCTGCATGGTATGNGGAGNGTCCAATGCATACCAAGGGGGTTGTG
TGGCTGCCAGGCTGNGANCCCCCTCGGCCTCAGCACGGNTNTGCTANACAAAGTAGTTTT
CCAAGCTAGGTCCTATTGCATCAATTATTTGNAACCTGTCATCTGCCCCCATGNGAGCG
ATTCATTGGANAGGGNGGNGGTGACCCGTGTTGCTGGTCNCCATCAGGAAGCGAGCCCT
GTTCTTGCTGATCCAGTCCACTTACATTGTNAAGCTTGTAGTAAAGCCCACAGGCATTG
NAAACAGGGTCCCCATTG

Sequence 3914

CCGGGCAGGTACGGTGGTGCGATCTCAGCTCATTTTGACCTCCGCCTCTCAAGAGTTCAA
GCAATCTTGTGCCTCAGCCTCCTGAGTAGCTGGAACACAGGCATGTGGCCACCACACC
TGGCTAATTTTTGTGTTTTTAGTANANATGGGGTTNACCATGTTGGCCANAATGGTCT
CGAATCCTGGCCTNAAAGTGATCCACCCACCTNGGCCTTCCNAAGTGCTGANATNCCANC
CTTAACCAATGTGGCCTGNGGCCAAGAACCATACTTTTAAACACCAAAATANTTAGGCC

Table 2

AAGATTGCTCTTTTTTAAAGCAAAAGAGATATNTAGTTAAAGACATNAAGAATAAAAAATT
AGGCACTCTTCTCTTTTCCAAATCTTTGGAATTCTTTATTTAAATANATTAAAT

Sequence 3915

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTNTTCTNNANANANAAANATNNAANGG
GTTTTTTNTTTTNAAAANANNAGNAAAAANACCCNTTTCNTTNAAGNAAAAAAAAAN
TTNTTTNTNGNTNAACCCAAACNCCAGGGNGNAAGGGGNGGCCCTTTGGGNAAAGTAA
GGGANGGGGATNTTTGGNGGAAAATGGCCCCCCTTAANAANCCCTTNAGGNGGAANGAA
TTGCAGGNGGNTCNTNGGGGANAGNNANANANTTTCCCNAAAC

Sequence 3916

TACCACGTGGGTGAGGCTGGGANNGNAACTCCTGACCTNAAANANATTTANNTGCCTNG
GGNCTCCCAAAGTGCTNGGATTACAGGTGTGAGCCACCATGCCTGGCCTCATCTCTCTTT
TTTTGAAGACAGGGTCTTGCTCTGTCAACCAGGCTGGACCTNAGTTGGCATGATCATGTC
TCAAGGGCAGCNCTCGGACCTTCTGGGCTCAAATGGATCCTCCACCCTNTTGCCTTCCG
AGCTAGCGTGGCCACTTACCCGGGCCACATGCCACCCATAATTCTTGCTTAAATTTTT
TAAATCTTTTTTGGTAGGNAGGACCACGGAATCTTCCCTNATGGTTTACCCCAAGGG
CNTGGTCTTGAAAAACCTTCCNTNGAGGGGCAAAGGCCAANTCCCCTGTTAGGTCNTTC
GGGGACTTNCCAAATGGGNTTTGGGGGAATTAATAAGGGGCCNTGGGGGCCACCCAC
AACCTTGGGCCTTCAAAAAAGCCATTCT

Sequence 3917

ACGCCCCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTG
AGACCAGCCTGGCTAACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATTAGCCGG
GCATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAAATCGCTT
GAACCCAGGAGGTGGAGGTTGCAGTGAGCCGANNATCGCGCCACTGCACTCCANCATGGG
CGACCAGAGCAAGNACTCCATTNTTCAAANTAAAGNAAAAGAAAAGAAAACANANAGTAA
ATAGGAAAAAGGCCTTATAATTGGAACCTTCTTCTTAAAAAAGGAAAAATATAATA
GGGGAAAGNCCCTTGNNTTGCCNCAACCAAAATNCTTAAAAATTTCTTGCCAANGTTC
NGTNTTTCANATNTTATAAGGGGANTTTTTTTTTANTTTTTNGCCATTCAACAAAAAA
ATTAATTTTC

Sequence 3918

CCGGGCAGGTACTGCGGCTGAACTGGCACTCAAACCACAAGACTACAGTCCTTCCCATAC
TTCCCTCCCCTTTCCATAGGAAGAGGAGCCTCACCTGTGGTAACCACCACCACAGACCC
ATAGGGACTACTGCCAGGCTACTGCCAATGTTCTCTTGAAGCCCAAGGGCTGCCTGTAAT
CCCAACACTTTGAGAGGTCAAGGTGGGCAGAACCTTGAAGCCAGGAGTTCAAGACCAGC
CTGGCCAACATGGTGAACTCCGTCTCTACTAAAAATATAAAAAATTAGCCAGGTGTGGTT
GCACATGCCTGTAATCCCAGCTACTCAGGAGGCTGAGACAGAATCACTTGAACCTGGGAG
ACGGAGGTTGCAGTGACCAAGACCGCGCCACTGCACTCCAGCCTGGGCCACAAGAGCAA
AACTTCGTCTNAAAGATAATAAAAAATTAATGACATTGGTTTTTCAACTTTTAGAATCACC
CTATTAGACCAAGCATAGATATAATTTTTTAAATTATAGGGAAAATAAACTTGGG
ACTNAAAAAAGGGAGGNTGGGGAAATGGTTAAATGAGCTTGGGTTTTTCTTGCCATA
AGCAAGGGCTTTAAAAACAAAAGTTGGNTTAAACCAAGGAAAATAGCCCGTTTTTAGGA
AAATTACCTTGGGCCCCGGGCCCAAATGGGCTTCATTGCCCTTGTAATCCCAACCCCT
TTTTG

Sequence 3919

AGGTACTTNTTTTTTTTTTTTTTTTTTTTTTATAGGTTNGNTCTTTAACCTCATTA
CTTTCCTTTGCTCACAGAACCTGGAAGCAACGTTGACATTTNTTGGACAGCTNTGACCG
GGTTTTAATCCCAAAAAGAATCCCTTAACACTGTGGCACATGAGGCACAGGGCACAGTCA
CAGGTCTNAGGGACTCATGATCCTACTTCAGGGAGAGCTCAAAAGGGT

Sequence 3920

Table 2

CCGGGCAGGTACGCGGGGATTCCCCAGACCTTCTGCAGATTCTGTGGTTATACTCACTCC
TCATCCCAAGAATGAAATTTACCACTCTCCTCTTCTTGGCAGCTGTAGCAGGGGCCCTG
GTCTATGCTGAAGATGCCTCCTCTGACTCGACGGGTGCTGATCCTGCCAGGAAGCTGGG
ACCTCTAAGCCTAATGAAGAGATCTCAGGTCCAGCAGAACCAGCTTACCCCCAGAGACA
ACCACAACAGCCCCGGGAGACTTCGGCGGCAGCAGTTCAGGGGGACAGCCAAAGGTCACCT
CAAGGCAGGCAGGAATAAAACCCCTTGAAATCCCATAGTGGGAAGAAAAAGTATNTTT
TACTAACAGGAACAAGCCCTTGGCAAAAAGGCAGGGAAAAAGGGAATGCCACCGGGAGGG
CGTTGCCAAGGTGGGAAAAACAATTTCAATCGAAAATGGGAAGTTGGAAATTTTGACAA
AAAATTACTTGAAGGAAATTTAAGTTCTNTTTAAAAACCATNGGGCATTGAANAAAGCTT
GAAAAAAGAAATGGGGGATCCATTTTGGGAACCTTTTAAAGCCCTTTA

Sequence 3921

ATAGGGCGAATTGGAATCCACCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGATACAGC
ATCGGGGCCAGGTGTGGTGGCTCACGCCTGTGATCTCGGCATTTTGGGAGGCTGAGGTGG
GCAGATCACAGGATCAGGAATCAAGATCATCCTGGCAACATGGTGAAACCCGTCTCTA
CTAAAAATACAAAAATTAGCCGAGTGTGGTGGCATGTGCCTGTAATCCCAGCTACTCGGG
AGGCTGAGGCAGGAGAATCGCTTGAGCCCAGGTAGGTGGAGGTTGCAGTGAGCCAAGATC
GTTGCCANTGCACTCCAGCCTGGGCAACAGNAGCGGAGACTCCATCTCAAAAAAAAAAA
TNNAAGAAGGTNCCTCGGCCCGCTCTAGAACTAGGTGGGATCCCCCGGGGCTGCAGGG
AATTTCCGATATCAAGGCTTATCGGATTACCCGTCCGACNCTCGAGGGGGGGGGCCCCGGT
ACCCAAGCTTTTGTTCCTTTTAGGTNGAAGGGGTTAAATTGGCCGCCGCCCTTTGGCCGT
TAAATCAATGGGGGCAATAAGCCTGGTTTTCCCTTGGGGGTGAAAAATTGGTTTAATTCC
GCCTTCACCAAAATTTNCCACCACCAAAACATTACCGAAGCCCCGGGGAGCCATTNAAA
AANTTGTA AAAAGCCCCCTNGGGGGGTGGCCCCCTANAATGGAAGTTGGAGGCTTAAACCTT
CNACATTTTAAATTTGGCGGNTTGCNCTTCACTTGNNCCCCCTTTTTTCCAANGTCC
NGGGGAAAAACNTNTTCCGTGCCCNACCCTGGCNATTTAAATGGAATTCNGGCCCA
ACCCCCCGGGGGAAA

Sequence 3922

AGGTACTNTTTTTTTTTTTTTTTTTTTTTTTTGGAGNNGAGACGGGGGTTTCACCATG
TTGGCCANACTGGTNTTGAATCCTGACCTNGNGATCCGCCCGCCTNAGCCTCCAAACT
GCTGGGATTACAGGAATGAGCCACTGCGCCCGGCCTCTTTTTTTTCTTTTTCTTTTTT
TTTTTGANATGGAGTCTCGCTGTTGTTGCCAGGCTGGAGNGCAATGGCACAATNTNTGT
TNACGACAACCTTTGNTTCCCGCANCCCAGGTTTATTTCAANAAGCCAATTTTCCCTTTA
GGGGAAAGTTACCAANAAATCAGCCCAGGGGAANAAGGGAATGGGGGAGNGATGGGGCTT
GGAATGAATCCCTGTTTCAGGCCCTAAATCCGGCTGGGCCTCCCCCGGCGGTTACCTTGGC
CGGGCCGGCCCGTTCTANAACTANGGNGGAATCCCCCGGGCCTGCAAGGGAAATTTT
GAATANTCAAANGCTTTATTNCGGAATAACCCNGTGCCNAACCCTTNNAGGGGGGGGGG
GGGCCCC

Sequence 3923

AGGTACAGAGGGATCAGAGTCCAGGCTCCTTCTATAGGGTTGAATATCAGAGGGGAATAG
CAATGACCCCGATGAGAGAGAGAGACCAAGGCTAGATTCTTTCTGCAAGGTGGAGGAC
GGCTAGAAGGCAGTGGCCACAGATGAGCAGGACTTTTTCTAGACTGGTTTCTACAATTTT
TGGCTTTGTTTCAGGGCCCAACCAAGAGAAAATACTCCTGGATCCTTCAACTAGCCCTCA
GGTAGACACATGTTAGAACAGCCCGTCACGTCCTTGAAGNCATCACTCCCCTTGCCTAGA
GGGAGTGAGGCAGGGGAGACTCCAGGCAGGTGGCCCCCTTAGTGCCTGGGGGTCCCCAAA
GAAATATTCTTCTCAGGGCTTTTGAAGCACCCACCGTGAAACCTGATTCTACTCATGGAA
TACCAATCTGGGGGGAAAGGGGATTAGTACCTGCCCGGGGCCGGCCGCTCTANGAACTA
GTGGGATCCCCCGGGGCTGCAGGGAAATTCGATTATCAAAGCCTTTATTGATTACCC
GTCCGACCCTCGGAAGGGGGGGGGCCCCCGGGTACCCCAA

Sequence 3924

Table 2

CCGGGCAGGTNCAGTTTAGTCAGGAAGCAGACATTAAACACACATATACACTCACAATGC
TAAATAAAATAAAGCTGTTAATTTGATCAATGCCAAGAAGAAAAAGAATGGGGCTTATA
AGAGAATACAACAAGCGGTGCAACTTAAATGAGGGGGCAGGGGAGTATCTGAGAAGCCCT
CTGTGAGTGAGTGACTTTTTTTTTTTTTTTTTAGGAGATGGTGTACACTTTGTCTCC
AGGCTGAAGTGCANAGGTGCCGATCCCAGCTCACCTGCAATTATCCTCCTCAAGCAATTC
CCCTGCCTCAGCCTCCCCGAAGTTAACCTGGGGACCTTCAGGCAACATGCCACCCACGCC
TGGCNTAAAAATTTTTTTTGGTATTTTTTAATAGAAGACCGGGGGTTCCGCCCATGCN
TGGCCCAGGAATGGGGTCTTCGAATCTCTTGACCTCCGTGGGGTTCCACCTTGCCCTTNG
GCGTTCGCGAAAAGTGCCCTTGGAATTTACCANGGGCGGTGAAGCCCACCCGCGNGCCAA
GGCCCCGANGGGGAGTGGACNATTTTAATTCCTCAAAAACCTAAAAATAAANTTNNGCC
AATTTTTAGCCCCAGGGAAAAAAGTTTTGGGGGAAANAAGTNNTTGCCCAANAANA
AANAANAANAANAATTGCCGTTTTTGGGGGGTNTTTGGGNAACCCANTNNNNAANT
NTAGANAANAANA

Sequence 3925

GGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGA
GGTCAGGAGTTTGAGACCAGCCTGGCTAACATGGTGAAACCCGTGTCTCTACTAAAAATAC
AAAAATTAGCCGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGC
AAGAGAATCGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCA
CTCCAGCATGGGCGACAGAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACAAAGA
AAAGAAAAGCTTATATTGAACTTCTCTAAAAAAGAAAAAAGAAAGCCTGATGCACAC
AATTTAAATTTTGGCAAGTCGATCAAATTAAGGATATTTATTTGCATCACAAAAATAAT
TCTTTACTCCCCCAAAAANTCAATAANAAGTTNAAATAAGCAACTTTTCCTAATGTTG
TTTTAAAT

Sequence 3926

AGGTACATCTCAGCAAAAGTAACAAACCAATCCACTCTTGAACCCCTAAACCCAGCTC
CACCCACTCCAGACAGACCTGTTTAACAATGTCAAGTGAGGGCCAGGTGCAGGGGCTCAT
GCCTGTAATCCCAGCACTTTGGGGGACGAAGTGGGGCGGATCACGAGGTTAGGAGATCG
AAACCATCCTGGCTAACACGGTGAAACCCGTGACTCTACCTAAAAATACAAAAATTAGCC
AAGGCATGGTGGCGCNCACCTGTAGTCCACCTACTTGGGNAGGCTTGAGGCAGGAAGAA
TTCACCTTGAATTNTTGGGAAGGGCANTAGGTTGCCAGTGGAGCCTGANGATCTAACCAC
CTGCACTTCCAAGCCTGGGGCCACAAGANGCAAAGGACTTCNGTTCTTAAGANANANTA
AAAAATNANAGTTCAAGCGGCGCATTGCCAGCCTTGTNCCCTTTGGCTTTTGTCTNGGGT
NCCCCAANGCCANCCCAAGCTNNCCCTTNGGNTCCTTCTTANGGGAAACAAACNACNGT
TGGANTTTGNTGGTGGCCAACAACCGGGNNTTCTTAATTTCCACNAANTGGGGNTTTT
TT

Sequence 3927

AGGTACTGGATTTCTCTCCAGTTCCAGCCCACCTCCACAAAATGGTATACTATTTGAAA
GCAGAGACTGTTGATCTTATTCAGTGAAGTATTTCTATGTCTAGAATTGTGCCCTGCACT
TAGTTGCTACTCAATAAATGTTTGCAGAGGGACAGATTGACACATAGTAGATGTAAATGT
TACCAGCTCTCTGCAATGCAGTACATTGACCTTCCTAGTCCTATCCAAGAGTAGATTG
TAGACATATCATGTCATGTTATACTTTGCATATCTCTGTTACCCAGGTAACAAGCAGGTT
TCTTTGTATTTGACATCCCTGCAAACTTGGGTGGGCAGCAGAGAACCATAGCATAGAGGG
CTGAGGAAGAAGACGTCTCGCAGAAGGCACTGGGACCAGGGGGACTGCTGTTGTCTTTTG
CTCACTGTGTGGCTTAGAAAGCAAAAGAGGATCCCAGACACTGTGCACAGTTATGATGTG
AAGCTCAACCAAGGGGGAATTGGAGCAGATGAATGACCAAATNTTGAAAGG

Sequence 3928

CAAAATACATGACCNCAGCTTGACATNGCCTNGNCCAAAGCCCTNGAGTGGGCCCCCTCAN
TCNTNTTGGNTCTGGCCTTACATTCTACTTTGTCTTCCCTGCACCCGGGCCTTGGGTCT
ATGAAGTGGNTTATTTCTCCCTGAGCGATGATTCCACTCCTTTGTCCTCACTGGCTGCCTC

Table 2

TCACCTGCCCATTTGGTGCTGCANTGGCATTATCTTTCCCTCC

Sequence 3929

CGCGGTGGCGGCCGAGGTACGCGGGATCCCAAAGAATGAAATTTACCACTCTCCTCTTCT
NGGCAGCTGTAGCAGGGGCCCTGGTCTATGCTGAAGATGCCTCCTCTGACTCGACGGGTG
CTGATCCTGCCAGGAAGCTGGGACCTCTAAGCCTAATGAAGAGATCTNAGGTCCAGCAG
NAACCAGCTTCACCCCCAGAGACAACCACAACAGCCAGGAGACTTCGGCGGCAGCAGTT
TNAGGGGACAGCCAAGGTCACCTTCAAGCAGGGCAAGGGAATAAAACCCCCCTTGAAAA
TTCCCATTAAGTTGGGAAGNAAAAAGGTATTCTTTACTTAAACCAGGAAACAAAGGCCCC
NTTGGCAAAAAAAGGCCAGGGAAAAAAGGGGAATTGCCACGGGGAGGGCCGTTGCCCCAA
GGGTTTNGGAAAAAAACCAATTTTNAATTCGGAAAAAATTGGGGNANGTTNGAAAAATT
TTGCANCCAAAAAAATTTTACCTTGGAAGNAAAAAATTTCCAGNTCCTTANTTTAAA
AAAAACCCCATTTNGGGGGCCATTGGAGGAAAGGCCTTGAAAAAAGGGAAATTGGGGGGA
TTCAATTTTNGGGNACCTTTAAAAAGGCNCTTTTAAATTAACC

Sequence 3930

CCGGGCAGGTACCTTCCCCTGAGCAGGAGAGATCCTTGAACCACTGAGTGGCTTACATAC
CCTCAGGCTGGTAGAGTGGCTATGTGTCTGTGCCCAGGTCCGGAGAAACAGCCCACTGGG
TGACTTCTGGTAGACACAGCCCCAGGCTGACCGAGCATCTGTGTGTCTGCATCCCCCTGCC
TGAGAAACAGCTCCATAGGCTGCCCTGGCAAATACATCCCCAGGCTGACCTAGCAACTG
TGCATCCTTGTCTTAGGTCTGAGAAACAGCCCCATGGGCTGCCCTACCAAATATCCTCC
TAGGCTAGCCATCAATATTCTGGGTCTGAGAAACAACCTGCAAGCCACCTCTGGCAGAA
ATGCCCTTAGGCCAGCTGAGCAGCTGTGTGCACCTGTCCAGGCTGAGAAATAGCCCT

Sequence 3931

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTGGAACAAACACAAAAAAGTTTAA
TTAAAAAAGAGTTTGACATTTAAAGTTTGAAATAATATTAAAGNGACACCCTGTTTC
CTTGGAACACAATGCAGAACCAAACTCTGAGACTTATTATAGCGAAAGTATTGTCAT
TCAGTTCAATCTAATGGTATGAGGTTAGCTTTGAAGGCCAAAAGAACTAGTTTCTAATT
CTTATCTTCTCCCCACTANACTTGNGGCCTAGGTAATTTTGTAACTTTCTGAGTCTGT
TTTCTCATCAGGAGCAGGATAATTCCTAAGTAATAGATCATATGTAGAAGTGAATATGAT
CTCATGGCAGTGGACATCAACCATAGTTAATTATTAANAATATATTTACATTGAGCTATC
CTTTATNTACTTTAAATTTGCAGACAACAACANTTGACAAAGAATAGATAAAATGTTCT
AACATAAACATTCTTCATTCTTTCTAGGAAGAAGTCCACATACAGGAAAAATAATTAGA
GGAGGGCCCAGTTCATATTNNACAACCTTTCCCAAAC

Sequence 3932

CCGGGCAGGTACTCTTCTGGACAGAGATCTGATTGTTTCTGAGCAGGATAATAAAGAT
ATTGACTTACTCCAGGGCAAAGTTAGGGCAGATTTGCTAGTAGTCCCTTGTAAGAGTAGG
GGTTTCCTAAGATCAGAGTTCTCAGCTATGACACAGACCCACAGGGCTGCTCCAAACCA
CCCCATATGGGACTCACGGAGCAAGGGGGATGGATGTGAATAAGAGGCTCACGCTGTCTGC
TGTGTTGTGGTCACAAAGTCCTTTGTCTCTGACCAGGAGCCCCGTGTCTCTGCTAGTATC
TGTGAAACTGCAGCAGGCTGTTAGCTTGTAAAGCAGAACTTTCACAGTTCTTGACACAGAG
GAGCCAAAGATCTCATTTCTATCTAAGTCAGATCAAGTCCCTCCTTTACTCAAATCCT
ACAATCACTCCCATTTCAGAGAAAAATCCAAAGTTCCTACGATGGCCACAAACTCTGAC
TGATCACTCCCATCCTCCTGCACACTCTGGCATCTCATCCTGTCTCTGACCCCATNCCTG
C

Sequence 3933

ACCGGGAAGAGGAGGCGGNGGNGGGGGGGANGGACNTGAGNAANAAAAAANATTTTTTT
NTTTTTTTTCGCGNCACTCAGACTACNNGTGCACCTCTGCAGCAGGTGCANGCCCNCTT
GGGCACCCCTCCAGAATCTCCCCATGGATTCTGGCGGTANNTGACTCTTCAGATTCAA
NAGCCTNATCTCCTGTTGNGCNTNCTGGACAACCTTTGGACCCAGTGCNGTTCTTCAA
TGCCCCCTTTCCCCNAGCNCTGCCAGCCCTGNGAGGCAGCTTCCCCAGCAGGGTCCTAC

Table 2

CCCACNAAANGGACCCCCANGTNTTCCCTTTACCCA

Sequence 3934

CCGGGCAGGTACGCGGGATGCTGAGAACTGATGAAGCTGCAGAACCAACGAGGTGGCCG
AATCTTCCTTCAGGATATCAAGAAACCAGACTGTGATGACTGGGAGAGCGGGCTGAATGC
AATGGAGTGTGCATTACATTGGAAAAAATGTGAATCAGTCACTACTGGAACGACAA
ACTGGCCACTGACAAAAATGACCCCCATTTGTGTGACTTCATTGAGACACATTACCTGA
ATGAGCAGGTGAAAGCCATCAAAGAATTGGGTGACCACGNTGACCAACTTTGCGCAAGAT
GGGGAGCGCCCCGAATCTGGCTTGGCGGAATATCTCTTTTGGACAAGCCACCGCCCTTGG
GGAGACAAGTGAATAAATGNAAGCTTAAANCCTCGGGGGCCTAATTTTCCCATAGCCG
GTGGGGGGTGGACCTTNCCTTNGTCAACCAAANGGCANGTNGCATTGNCATGGTTGGG
GGGGTTTTCCCTTTTTACCCTTTTTCTTATTAAGGTTTGGTANCCCTCNGGGCCCCGGCT
TTTTAGAACTTANGNTGGGAATCCCCCCCCCGGGGNCCTGGGAAAGGGAAATTTTCNGA
ATTNTCAAAGCCCTTATTTTCGGAATACCCCGGCCGACCCNCTCGAAANGGGGGG

Sequence 3935

AGGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACCTTCAATACCTTTAGTTGTCT
CCCACACACGCGTGTGTNGTGAAATCTTCTACAATATCTTCCCTTTTTAGACCATGTT
CACTGTCAAAAAGGTGCTTAAAGAGCAGTCTTTGGCTGGGCACGGTGGCTCACACCTGTA
ATCCCAGCACTTTGGGAGGCCCGAGGCAGGCGGATCACGAGGTGAGGAGATCAAGACCAT
CTTGGCTAACAGGATGGTCTTAAGGGACAGTGAAACCCTGTCTCAACTAAAAATACAAA
AATTAGCTGGGCCGTGGTGGCACCGCCGCCTTGAANTCCAGCCTACTCAGGAGGCTNA
GGCAGGATAATCACTTG

Sequence 3936

AGGTACACAAATCATTAGCGTCAAACCTGGAATTGCCGACTGCTCCCCACCCTTCGTCTT
CGCTTGGCTGACTTCCATCACAGCCTCTCCCTCTATGTCTGAAACATACTTTAGAAAAA
GGGGTGAAACAAGACAGTGAGGAAGAGAGAAGAATCAATAAAGAAAAAATAGGTCACCT
GTCTGTGGTTACTGCCGCAATAGATTCCATCTTGGCGGGGTCTGACCCAGGAGCCCCC
AAGCTCCGTGAAAACCTCTCTGGGGGACACACAGCAGCTTATCTTCTTGTTTACAAAT
AACTGCCTTCTGTTGGTGACTGAGT

Sequence 3937

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTGCANAANGATAAANATTTTTANAAT
TNANNNGATAATTTATGTTTCCCTGCTTTTTACTCTGAATTGTTCACTTTGAACGTANAA
CTATAAACCCATAAAAAATATTTATTTAACTGATTTTCTCACATGGACAATGCTNTG
TTAGACATANAACCTCCACAAATCATCCATTCCCAACCCCTTGTTTTATACATAANAATCT
GATACAGGAAGGGGGCAGGGTAAGTGCTGTGTANGAGNAAAGNATGNGGGTCCCTGGCCT
AGGGCTCCACCNTGGGGCCCTGTGCCCAT

Sequence 3938

GCGGGAGGCTGACGAGAGCCGGGAGGCGTTGGNNGGGGAAGNGANAAACCNAANAACAAN
TNNNNTNTTTCTTCTNNGCGCGGCGCGGCTGCTTTATAGGAGAGGGCGCATGGCCC
CCTCGTACCT

Sequence 3939

CCGGGCAGGTACGCGGGGAATTGCGAGTGATGTGAACTGGCCTANNAAGCCCTGATAAN
NAAANTAANTTAGAGTAGGAGTCAGGAGGGAGGTTCTTTACTCTTGAATTAAGAGAAGGG
GANCTGGAGGTGGCTCAGGTAGAGTGCGTAGGTTTGCAGAACTGGGCCTGTGTGTGTAAA
GTGGCTAAGGCAAAGGAGTGGAAGTTTGAGAGAAGTTTAAGAGAAGAAATGGACATGNAT
TGCCCTAAATCAGCCAAATACAGGGGTCTCTACAGGGAGAAGACCGAAGATCCGCCCCCG
ATAGTTTGGAGAAGTNAATGGGGTTNCCANGAGGNGAGNAGCTTAAAGCAACCATGGCC
CAACGCCCCCTGGCCAGCGCCACTTGCCGANCCGCTTGCCAAGGGGGCCGGGCTTTGCCCG
CCCGCCTGAGGAANGATCCGTGAAACAGTNAATGGGGGGAAGCCTTGTTACCCTTNTNG
CCCGCCTCTTAGAAACCTAAGTTGGGATTTCCCCCCCCGGGGCCTTGCCAGGGGAAATTT

Table 2

CCTAATAATTNNAAAGNCTTTATCCGATTTCCCNNGTTCCGTACCCTTCTTNANGGGGGG
GGGGGCCCCGGGTACCCCCAAANCTTTTTTTGTTT

Sequence 3940

ACCCCGGGAGCCTCACATGACTCTCTCAGCCCCCTCCCTGCTCTGAGTGACTGAGAGAACT
TCCTTAGCTGCAGGGCTGCAGGCAGGTGCTTCTGCTCCTGAGCTCCTAAACACACCAAGG
GGTGCTTGAAGGTCCAGGCCCCGCCCTCTCTAGAGGAAAAACCTACTCATTTGAGACTAC
AAACCTCTTCTAGAAGCTGTAACCTGAAATGCTAGAATGAGCTTATATTAATCATGCTTT
TTTATAATGTATAATGTTTTACATCTTGGGGACCTCACTGACTGGGGAGAGACTGCCCT
TCCCAGGGCAGGCCAATTCTTAGAGATAGCAAAGGGGTCCCTTGGGAGTGCACCTTTGCA
CACTAACCAACTCAGAGTCCATCTCCTCGATTGACTCTTCCACCGCAGAAGGCAGTATC
CCCTCACC

Sequence 3941

GATCATATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGCCGGGCAGGTACTTTTTT
TTTTTTTTTTTTTTGCCTATTTATTTCACTATGGCAATTCCANTGCCTTGAGTGATGCC
TGGCTTATCATGGGAGCTCAGCACATAACAAATGCATACATGAATACNGATTCTCCCTCT
CACCCCAATCCCTTGGGATATGCTCTAGTATCCACTGACTNCTACTCTCCTGGCTGCCTG
CAAAGGTAGGCATGCCACCGATGTCGCTGATCAGCATG

Sequence 3942

AGGTACCTTCCCATTTTGGCTGGAAAGAATTTTATAAACAAGTTAGTCTCAAACACTGTT
AATAAGAAAAAGCTGGCCGGGTGCGATGGCTCGCACCTGTAATCGCAGCACTTTGGGAGG
CTGAGATGGGTGAATTACTTGAGGCCAGAGGTTGAGATCAACCTGGCCAACAAGACAAA
ACCCCATCTCTACTAAAAATACAAAAATTAGCTGGGCATGATGGCATGCTTGTGATCCCA
GCTACACAGGAGGCTGAGGCATGAAGATCGCTTGGACCTGGGAGGCTGAGATTGCAGTGA
GCCAAGATCGTGCCACTGCACTCCAGCCTAGGTGACATAGCGAGACTGTCTCAAAAAAAA
AAAAAGAAAGAAAAAGAAAAAGAAAAAGGTAAGATGCTTGGTATTTAGGAAAA
ACTTTATGGGCANGAGATTTCTTAGCTAAACTGAATGCTGTTAACATAAAATNTATACC
CACGTGTATTACAGATTTAATATGGTAGCTTATTAGTAACATTAATTAATGGCAGATAT
GGGTGATAGGGAAATTTTTTAACAGGCTCCTTTTTTTTTTTTTCCCAACCAATANTGGTN
GAAATTATAAAGTTTAAATTTTTTTCTAAGTTTATTATTGGATTTTTTACC

Sequence 3943

ANGTACGCGGGGAGGGACCCGCANCTCAACTACAGNGCNGNNNAGCNCNTGAAGCTTNN
ANANNGAACNTGGTTTTNTGCTCCTTGGTCCTGGGTGTCAGCAGCCGAAGCTTNTTTTCG
TTCTTGGCGAGGCTTTTGATGGGGCTNNGGACATGTGGAGAGCCTACTTTTGACATGAA
AGAAGCCAAATACATCGGCTCAAGACAAAATACTTCCATGCCTNNGGGGGAACTATTG
ATGCCTGCCAAAAAAGGGGNACC

Sequence 3944

CTANAGGGCGAATTGNCNGCTCCACCGCGNGGCGGCCGCCGGGCAGGTNCTTTAGGAG
ACCCANGCGGGCAGATTGCCTGAGGTGAGGAGTTTGAGACCAGCCTGGCTAACNTGGTGA
AACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGCTCACGCCTGTAGTC
CCAACCTGCTTGGGAGGTTGAGGCAAGAGAGNTCNTCTGAACCCAGGAGGTGGAGGTTGC
ATTGAGCCGANATCGCNGCCACTGCACTTTCAGCATGGTTCGACCNGANCATNGGACTNC
ATTCTNAAAATNNTGGAAGATANGCAAACAATNNTAAAATAGNAANAAGGNNTTAATTA
TTTG

Sequence 3945

AGGTACAAAGATGGTCGATACGATTATTTTTCATCATATATTACAGAAAATACTACTCTT
GAAAAATACTCTGAGAAATATGTTCTATGGTCAGATAAGTTTGGGAAACAGTGAATTATT
GTTCCCTCCTTTGCAGAAATCACAATGCACTGTTAGCTAATTAAGANTNTCAGATGTCCCA
CTGGAAAGAATCATGTTTAGCTTTGTTTAACTAGCATTTCCCAAACCTATTAGAGCATA
AAACTTTGTTTTTTGTTTTTTTTAATAAGATAGGTAGCTATTTCTTAGAACACAGTTTG

Table 2

GGAAACTTTTTGGNTCATTGTGTTTAATAAGATACCTTAGGTAGCTATTTCCCTAGAA

Sequence 3946

CGAGGTACGCGGGGGCCTCAGCCTCCAGGAGGCACAGCAGATTCTCAACGTGTCCAAGCT
GAGCCCTGAGGAGGTCCATTAACTATGAACACTTATTTAAGGTGAATGATAAATCCG
TGGGTGGCTCCTTCTACCTGCAGTCAAAGGTGGTCCGCGCAAAGGAGCGCCTGGATGAGG
AACTCAAAATCCAGGCCCAGGAGGACAGAGAAAAAGGGCAGATGCCTAATCCCGAATAA
CATCAACGACGGCTGCAATTTGCACAGTTCTGTTGGTGTAAAAGTCCAGTAGAAGGTTT
TTGGATTGTCGTACATAGGCAGGCAGTATACTTATAGTTAAATGC

Sequence 3947

TGCGCTACCTGCCCCGCTTNCAGTCGGGGAAAACCTGTCGTTGCCAGCTGCATTAAAT
GAAATCGGGCCACGCGCCGGGGGAGAGGCCGGTTTTGCCGTTATTGGGGCCGC

Sequence 3948

CCACCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGATTGGCCAATGAGCCAAGGCTGGA
GTCTGAGACCTTTGGAAGAAAAANAANGCACCTNCTGCCACTTTCTCCCTCANAAAGGCA
CAAACACTTTGTGTTCCCGTCAGTTTGAGGGGACGGTGGGGGGATGATATGAATGTCAC
AGGAGGAGACACCTTCTGTCTTTGTTCAAAGAAAGTGATGTGCCATTTGTTAAATATTA
CAAGCANAAATATTGNNAATATATTTGAAAAAGAGGCAAAATTTTAAATTATTTTTGG
CTTTATTGTTTGCCAAAAATTTAATTTTTCTTGNNAATTAAGAAAAGATTCCCTTTTT
GTTACGAAGAAAAAA

Sequence 3949

GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCAACAGAGGTAGCATCAGCAAGCAG
GCCGGCGCCAGGAGGGGCAGCAGCCTCACGCGGGGCTTTCTGGTCT

Sequence 3950

TTGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGAGATGTAG
CTGTGTAGTCTCCTTCCATAGCTGCTCTAAGGGGGCTGGCAACATGGCTCAGCAGACTTG
CCCCAGAGCCATGGCAAAGAATGGACTTGTAATTTGCATCCTGGTGATCACCTTACTCCT
GGACCAGACCACAGCCACACATTAGATTAAAAGCCAGGAAGCACAGCAAACGTCGAGT
GAGAGACAAGGATGGAGATCTGAAGACTCAAATTGAAAAGCTCTGGACAGAAGTCAATGC
CTTGAAGGAAATCAAGCCCTGCAGACAGTCTGTCTCCGAGGCACTAAAGTTCACAAGAA
ATGCTACCTTGC

Sequence 3951

CCGCGGTGGCCGCCGANGTACANGCANCAAAAGCAAAAATATNCAAACGAGATTCCATAA
AACTAAGAAGCTTCTNTGCACANCAAAAGGAACAGTTATAGAGTGAAGAGACAACCCACA
AATGGGAAGAGAATGTTTTTAAACCATACCTCANGTAAGGGGTTTACATCAATAATATG
TAAGGTAACCTCAACCCAGAAATGAGAAAACAAGCTTACTAAAAAATAAGTNAAGGACTTG
TATAAGACATTTTTCTAAAAAACNGACATACCAGAAGGGTCAGCATTTTTTATTTA

Sequence 3952

CCGGGCAGGTACCTGTTTTGTTTCCTGATTATTCCAGGATTCTCTCACTAGACCCTAAGC
CTCTCATTCTGCTGTAGGTCAGATTCTCTATTCCTTCTCCCTAGCCCAGAGCCTTGCCAG
CACTTGCGAAAGTTACGGTTAGAATGTTCCCTTGCTAGTCACCTCTTTGAAAAAACT
GTGATGTTACATGACTGCGATTCAAATCAGACACTGTCTGCTTCCACATGTATCTCAGA
CAGGTTTTATTTAATGTTTCTTGTCAGAATATTGTAAATTCAAAAGGATGACTTTAAATA
AATGTAAACAAAGACAAACTTGTGGTCTTTTTGCTGGAATTACTTTCACAAGAGATGGA
GCTTGAGGGGAATTTACTGTCTGACCAGTTACTAATGTGAGCCCTTGCCCCACCCTCTC
CTTTTCTTAATTTCTTCTGTAGGCCTTCTCGGTTATTAGTCCGCCCCACCAGTCCGA
AACCCGAGTGCAGCCGAGCTCGTCAGTGCAATTGAGGAACTCGTGAAAAGCAAGATGGTG
ANGCCTNCCAGAGAAAGTCTGACTTTTTGGNANCTGCTCTGTGGTACTACTTGGAAGAA
TGGATTGCCCCTTGG

Sequence 3953

[illegible]

CCGGGCAGGTACCAAATGTGGCCAAATCGAGGCTTCGAGTAAGTCACAGCAGCGTTACC
AGCGCCGGGGTCTTCTCCACAAGGTTACGGACAAATTGGGCCATGGTTCTGGAATGGAGA
GTCCGTCGCCCGAACC GCCGGCTGAATGTACCCGCCGGAAGGCCCGCGTACCT

ACTTTTTTTTTTGAGATGAAGTCTTGCTTGTGGCCCCGGCTAGAGCGTAGTGCCGCAATC
TTGGCTCACTGCAACCTTCACCACCCCAAGTTC AAGCGATTCTCCTGCCTCAGCCTCCCGA
GTAGCTGGGATTACAGGCACACACCACACCCCACTAATTTTTGTATTTTAGTAGGA
GACGGGCTTTTACCATGTTGGCCGGGCTGGCCTCNAACTCCTGACCTCAAGNTGATCCGC
CCGCCTTGGCCTCCCAAAGTTGCTGGGATTACAGGTTGTGAGCCACCACGCCCAGGGAGA
CATTTCTTTATTTTAAAGGGTAGCCTGGTTTATCCCCGGGNANAAGTGGTGGACTTTTCT
AACTGAGACAAAGCCAAGTGCTTTAAGGTTTTTGGTGTNGGTCAANGAAGTAAACCAAG
NAACCCACCAACNAGGGAAGGACCTTTAAATTTGATGAATTNATTATTNATTANTAATTT
TAGGGTTCCCTTTNGGCCCCGNCCTTTAANAAAAANCTAAGTTGGGNATTCCCCCCCCGG
GGGCTTGGCAGGGGNAATTTTTCTNANTTATCCAANNGCTTTANTTCCGATTAAACCCGN
TGCGAAACCTTCTGNANGGGGGG

TGCATTAATGAATCGGCCAACGCGCCGGGGGAGAGGCGGTTTTGCGTTATTGGGCCGCT
CTTTCCGCTTCCTCGCTCAACTGGACTTCGCTTCGGCTCGGTTGTTCCGGCTGCGGCNG
AGCGGGTATCANGCTCACTCAAAGGCGGTAAATANCGGTTTATTTCCCAACANGAAATCAA
GGGGGGGATAAAACCGCCAGGGAAGAACATTNTTGAGCAAAANAGGCCAAGCCAANAAG
GGCCNAGGGAACACCCGTAAAAAAAGGGCCCGC

CCGGGCAGGTNCTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTNTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGANAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTTGAGCCGANATCGCGCCACTGCACTCNCANCNTGGGCTG
ACCAGAGCATAGACTCCNTCTTNAAAATAANAAAGAAAGAAACAAAGGAAAAGGAAAAG
CTTTATATTGGAACCTTTCCTTCTTAAAAAAAAGTAAAAATAAAATAGGAAAAGCCCTG
GATTGCCCCACCAAANTCTTAAATTTTGGGCNAANGTTCGTANTCNAATTTAAAAA
NGGGAATNTTTTATTTGGCCANTCCACAAATAAATTAATTTTTTTAACTTCC

ACTNNTTTTTTTTTTTTTTTTTTTTTTTTTTTGGAGAGACAGGGTCTTGTTATGCCATCCAGG
TGGCTAGCGAATTCCTGGCTTNAAGCAATCCTCCTGCTTTGGCCTCCGAAAGTGTGGGA
CTACAGGTATAAGTAACGTCGCCCCAGCCCCAGCATGTCATTATATAAGCACAAATGGGAC
AGGCTCATGCAAGGCTCTTACAAGACCACCTGGACAGATAGGAAGTTATCTANACATCAG
GAAACTTTTGAATTTCCATCCATGTAACATTCTNAGGAAAGAAAAAATTAATATTACAC

Table 2

ATTGNTTTCAAACTATTTTCTACANAACCCCAAGTTCAAANAAGCACTTTGTGTGTCACC
CAAAAAGCGCAGGACCAGTTGATGTCATCTNCCAACTNAACTCTGCTCCATTAAACATG
GACGACTCTAAACACCTGATATAAGATCAGCCACCACCACCACCGNATTTACCACGCAGC
CACTGCCTACCTNGGCCAAGCTNTAGGGCCAGTTCTTTTTTTTTTT

Sequence 3959

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCCGGCCGCCCGGGCAGGTACAACATGCTC
TTGTAGTTTCACTAAGGCACCTTTAAGTCACAGAGTTATTTTAAAGTATATGAGTTACT
TCTGATTATAAAAGTAATTCAGGTTCACTGTAACAATTGGAAAAGAGCAAAAAGAAATGA
ATAGCTCATAATGCCACCAATCAAGATAAGCTCTAGTAACAGACTGCATATTTATAAAAT
TGGGATCATCCTCTATATATTGTTTTATATACTTGTTTTTTCAGTTAACATATGAAAATT
TTCTTATGACATTAACTCCTCTTCAGAACTATGTGGTTTTTTGTTTTGTTTTGTTTTGAG
ACGGAGTTTCACTCTTGTTGCCAGGCTGGAGTGCAATGGCGTGATCTCGGCTCACTGCT
GCAACCTCCACCTNCCAGGTTCAAGCGATTCTCCTGCCTCAGCCTCCAAGTAGCTGGGA
TTACAGGCATGCACCACCATGCCCGGCTAATTTTGATTTTTTAGTAGAGATAGGGGTTTC
TCCAT

Sequence 3960

CCGGGCAGGTTCTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAATTAGCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTNCAGCATGGGCCGAC
AGAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACANAGAAAAGAAAAGCTTATAT
TGAACCTCTNTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATCTAAATTTGGCA
AGTCGATCAATTAAGGATATTTTATTTGCATCACAAAATAATTCTTTACTCCCCCAAA
AATCAATNAAAAAGTTCAAATAGCAACTTTTCTAAATGTGTTTAAAAATGGTAATCAC
CAAAATACATTGTTGTCCCAACTTCTTTCCAGTTNTAATTCTATTTGGGTAAAGTGG
ANGGTNTTACCCTGGAGNNGAGGGCAATTANGGAAGAGNTTGGGCCTTTAAACCTTCNC
TGGGANGAGAGGCGGTNGNTCNTTTTTTAAANGTCTTGAAGGGAANNGGTTNGGGGGG
CCNNAANTCTTTTCCAAACTTTTTTTTTT

Sequence 3961

CGGCGGCGGAGGTNCNNGNGGAGATTTANNCGGGNTNAAAGCCCGAGGNCAGGAGTTNGA
GNACAGCNTGGNAAACANGGGGAAACCCNGNCCCTACTAAAAATACAAAATTAGCCGGG
CATGGTGGCTCACGCCTGTAGNCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTG
AACCAGGAGGTGGAGGTTGCAGNGAGCCGAGANCGCGCCACTGCACTCCAGCATGGGCG
ACAGAGCAAGACTCCATCNCAAAATAAAGAAAGAAAGAAACAAAGAAAAGAAAAGCTTAT
ANNGAACNNCNTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATCTAAATTT
GGCAAGNCGATCAATTAAGGATATTAATTTGCATCACAAAATAANNCTTTACTCCCCC
CAAAATCAAAAAAAGGTCAAAANAGCAACTTTGCCTAAAGGGGNAAAAAAGGG
AATCCCCCAAAAAAACANGGGGNGNCNCCAAACNTCTTTACCAAGGGNAAAAAAGGN
CTAATGGGGGGNAAAAAGGNGGANGGGAATACCCNGGAAAGGGGAGGGCNAAAAAANGA
GNNGGGGGGANGCCNTCAAAAACCTGNCNNGNAGAAANGAGCGGGGNCATNNNNAA
AANAAGGNANNAAAAAAANGGGGGG

Sequence 3962

CCGCGGTGGCGGCCGAGGTACGGATGCTACTTGTCCAATGATGGTAAAAGGGTAGCTTAC
TGGTTGTCTCCGATTCAGGTTAGAATGAGGAGGTCTGCGTTCCCTTACGGAATTACATC
TTGATGGCAACAAAATCAGCAGAGTTGATGCAGCTAGCCTGAAAGGACTGAATAATTTGG
CTAAGTTGGGATTGAGTTTCAACAGCATCTCTGCTGTTGACAATGGCTCTCTGGCCAACA
CGCTCATCTGAGGGAGCTTCACTTGGACAACAACAAGCTTACCAGAGTACCT

Sequence 3963

CCGCGGTGGCGGCCGAGGTACAAAAGAAGAAACAACTCAAAATTTGATATACAGGTCTT

Table 2

AGATTTTTTTTTTTTTCTGAGGCAGGGTCTTGCTCTCTCACCCAGGCTGGAGTGCAGT
GGTGCCATCTTAGCCCACTGCAACCTCCACCTCCCAGGTTCAAGCAATTCTCCTGCCTCA
GCCCCCACCACGTANCAGGGACTACAGGCGTGACCAACCATGCACGGCTAATTTTTGT
TTTTAGTAGAGATGGGGTCTCGCCATGTTGCCAGGCTGGTCTTGAACCTCTGAACCT
GGTGATTCGCCAGCCTTAGCCTCCAAAGTGCTGGGATTACAGGTGTGAGCCACCATGGCC
AGATTTCTCTCTTAAGCAAATTTCTGACCAGGACCTGCCCGGGGCGGCCGCTCTAGAA
ACTAGTGGGANTCCCNCGGGGCTNGNANNGGAATTTCTAATTTTCAAAGCNTNTNTNNG
ATTACCGNTCTTNCCTTTTNAGGGG

Sequence 3964

CATGGCAGGCTTGNGTGACCTTNTGTGGNTNCATCACGAGTTGAACTCCCCTACTGTCTG
GTTTGATAACAGACTTTAATATTGNCITTTTTATTGTCATGCATTTCAATCAGTCACAGA
TCCAGCCCATCTCCCCTTCCCTAGGAAAGGCTGTTTTAGTTTGTTGGGGCTTTCC
TCTTAAACAAATTTGGCTGGGTGAATGGACAGGAACAATATTGTTACGTAAAGCCAATA
GCTCTGATAACACCAGCCCTAAACCCATCTGTTCCGGGTTTGGGTGGNAAATTCGAAAT
TAGATCCTGGGGGGACCAGCTTTTNGAATCAATTTATCATCCGTCCATGAATTTTGCTAT
GTGTTGAGCAAAAANCNTTTTATTGGAAACAAACCACCAGATTTNTAGAAACACCATAAC
CTGGATTATTGTAAGGGGAACACCATGATAGCTTTTGAGTTCATATTGGCAATAAGNCT
CTTCCCTTTTGGTTTTTGAATTTTTTNCCTCTTTGGATGNNCCANGNCTTTTTTCA
AAAAAAATTTAACCAAANNCCCCAAAAGCCCTTTTTTCCCCCTCANAATCATAAAG
TTTNCNCCCCCCCCCTTGTTAAAAAAACCCAAAANAANGGGGTGGGGGGGGGTTTTT
TTTTGGGNTNGGNTTTTGGGTTTT

Sequence 3965

CGAATTGGAGCCTCCACCCGCGGNGGCGGCCGCCCCGGGCAGGTACTTTTTTTTTTTTTT
TTTTTTTGGAGAGTCTCACTGTGTACCCAAAGATGGAAGTGGTANGGGCNCCATTNNGT
TNACTGAAGCTTCCACCTCCTGGGTTNAATCAGTTATCCTGCCTNAGTCTCCCAAGGAGC
TGAGGATTACAGGCGCCGTGCCTAATCCTGGCTAATTTTTGTAGTTTTAGTAGAAATGAA
GGTTTCGCCACGTTAGCCAGCCTGGTCTTGCTTCGAAACTCCCAACCCTCANGGTAATCC
ACCCTGCCTTGGGCCCTTCCCAAAGTGCTGGGATTAAGGATGAGCCCACCANTGCCT
GGCACCAAGGTCTTCTTTTCATTTGTATACTAAAAAAATGTTTGGTTTTGAACANAACC
CTCCGAGATGAATAGAAGTCACCGCCCTTCTGGCTTCTCGGGGTCTCAAGCTTGCCCN
ATCTACCTTGCAAGTTTGCNTGCTGCCTGCTGGANCCCCACCCANGTCATGTTNCCAAC
TGTGGCATTTCTAAAAAATCTTTCCCCCTTAAAAGGTNGGNACCCCCATTGCCCAAN
TCNACAATTTTTTTTCAAAAAATGTCCCCAAAAAGGGAAANGAAATCCCCCATNTNT
TTCCCTTTAAACANNTTNTGTCCCCCTTTNGTNCCAATTTTGAAAAAATGAAAAA
AANCCCTTTTAATTTCCCCNTNTTACCCTTTGGGGCCGCTTNTAAAAAATG
GGGNTCCCCCGGGGGTTTGGNAGGGAAANTTTTTTTTNAAAACCTTTTTTTGTT
NCCCCNNCANNCTTNAAGGGGGGGG

Sequence 3966

CCGGGCAGGTACACACACTCAGGCTTCAAGTCTTGTGAAAGCTGCGATATCGACACTCT
GCACGTGCTCCTCAAACCTGGTGATCTCCTCCTCAGCAAGTCTGTCCCCACCTTGTCT
CCTCCACCACACACTGAATCTGTAGCTTCCGGATACCGTAGCCACGGCCCCACAGACCC
AGCACGTATCTCCATGCGCCAAGTGGAGCCCCAGCCAAGAAGCCAGCCACACCAGCAG
AGGATGACGAGGATGATGACATTGACCTGTTTGGCAGTTGACAATGAGGAGGAGACAAG
GAGGCGGCACAGCTGCGGGAGGAGCGGCTACGGCAGTACCT

Sequence 3967

AGGTACGCGGAGAGGCAGATGATATGCAGCTTGATCGTTGATTTTTGATTTAGATGATCA
ATGATGTTGAGAATAGTGTGTTGTATGTGTGAGCATGGATGTGTATGTCGTGTGTGTCT
GTGTATGGTGTGTGTGTCTGTGTATATTGTGTGTGTGTGTGTGTGCATGCGTGTGTGC
AGGGTAGGTATCACCAATTCCCTGTGGTGGTGTGTCTTCTCTGGGATTGGTTCTTCT

Table 2

AGAATCTCCACCTTTTAGAACCACCTTAAAGATNTTATTTATTCTCTCCAACCATNCTG
GCAATCTTTTTATCCTTAAACAGGAATAAATTCCTACAGCTGAATCTATTGANGATTTCT
GTGTGTATGNTGAAAATTTATATGATGCTCAATCCTTTAAAAATCTTTTATTCAAGTAA
CTTTTAAAAAGTAAAAACACNAGGNGTTTTANTCATAAAAAAAGTGAAGAGATGTTTAG
GTCCCACTTAANNTTCTCTGCNTTGCTTTTCTTTT

Sequence 3968

AGGTACTTTTATTACAGTATTTTTATTTGTTTCGGAGACAGGGTCTTGCTCTGTTGCC
AAGCTGAAGTGCAGTGGTGCAATCACAGCCTGCTGCAGCCTTGGCCTCGCAGGCTCAATC
AATCCTCCTGCTTCAGCCTCCTAAGCAGCTGGGAACACAGGCTCATGCCACCACATCTAG
CTAATTTTTATTTTTGATAGAGATGAGGTCTCACTGTGTTGTCCAGGCTGGTCTCAAAT
TCCTGGACTCAAGCAATCCTCCACCTCGGCCTCCCGAAGTGGGATTACAGGCATGA
GCCACCACGCCCGGCCACAGTATTTTTTAAATGCCAGTTAGGTTTTATAAGATGTAGAAT
TCTATAACTCCAACACAAGAATGACAGGNGATGCTTGCATGACTTTTGGCAANTAACTTC
CAGGAAGCCCTAGGGATTTACAAAGATGCTTTTGAGTGACATTTAAGTCACAAGNAGAAT
TGNTTGCAANCTAAAACAGAAACACCAGGGATTGA

Sequence 3969

CACCGCGGTGGCGGCCTTCCGGGCAGGTNTNATATGCTNTTCATAATTTGTCAGGCCAAC
CTTCACACCNTNTTTTGGCAGTTTCGTGTGCATACGCTGCGCAGACTATCATATCCCCCTC
TATCCCGGTACCCAGGCTTTGGCATTATTGGATGTCAATAGCATTGTTTTGTCATGTA
GCTGTTTTAAGAAATCTGGCCCAGGGTGTTCGAGCTGTGAGAAGTCACTCACACTGGCC
ACAAGGACGCTGGCTACTGTCTATTTAAATCTGATGTTTCTGTGAAATCTCAGAGTGT
TTAATTGTACCT

Sequence 3970

ATGGCGGCCGAGGTACGCGGGGACAGTTCGGGTGGGAGAACGCGGCTGCNAGGTTTTCGG
CTTTGGCTCCTGATATGCAGCGACAGAAATTTTCGGCCCCCGACTCCTCCTACCCTGGTC
CGGGTGGAGGAGTTGGGGTAGCNGGAAGCAGCTTCGGGTGGAACCCCGGGC

Sequence 3971

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCANCATGGGCGACA
GAGCAAGACTCCATCTCAAAATNAAGAAAGAAAGAAACAAAGAAAAGAAAAGCTTATATT
GAATCTCTCAAAAAANGAAAAANGAAAGCCTGATGCACACAAAAATTTAAATTTGGCA
AGTCCGATCAATTAAGGGATATTTATTTGCATCACAAAAATAATTCTTTACTCCCCCA
AAAATCAATAAAAAAGTTCAAATAGCCAACTTTTCTAATGTGTTTTAAATGTAATCACC
AAATACATGTGTNCCCAAACCTTTCTTTCCANGTTATAATTTCTATTNGGGTTAAAGTG
AGGGTATTACCCTTGAAGTTGGAGGCNAAATAAAGGAGAAGTTTTGANGCTTTNAAAACC
CTGCCTTGGAAGGAGCCGGNGTTTCTTTCTTTAAGAAGTCTTGGNANGAAAATNGGT
TTGGGGGGGCCACCAAAAAATNTTTTAAATNCTTTTTTTTT

Sequence 3972

AGGTACTGAATGTAATTTAGATTCTCTTCTATGTTAATCTGATTAATTATATTTTAAAT
AGCACATTACACTGTTTACTTGAATACAGCTAAATGTGTGTATATATGGACCACATAT
ACAAATATGGTCCCTTAAGATTATAATGGGGCCAGGCGCAGTGGCTCAGGTCTGTAATCC
CAGCCCTTTGGGAGACCAAGGTGGGCAGATCATGAGGTCAAGTAATCAAGACCATCCTGG
CCAGCATGGTGAAATCCCGTCTCTACTAAAAATACAAAAATTAGCTGGGCGTTGTGGCAC
GTGCCTGTAGTCCCAGCTACTTGGGAGGCAGGAGAAATCGNTTGAACCCAAGAGG

Sequence 3973

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGCGGTGGTTGGGTGGT
AAGATGGCGGCTGTGAGTCTGCGGCTCGGCAGCTTGGTGTGGGGGAAA

Table 2

Sequence 3974

AGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCT
GGCTAACATGGTGAAACCTTGCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGC
TCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGGA
GGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCCTNCAGCATGGGCCGACAGAGCA
AGACTCCATCTCAAAATAAGAAAGGAAAGAAACAAAGAAAANGAAAAGCTTATNTTTGA
ACTTTCTCAAAAAAGAAAAAANAGAAAGCCTGATGCACACAAATCTAAATTTGGCAA
GTGCATCAATTAAGGGATATTTATTTGCATCACAAAATAATTCTTTACTCCCCCAAAA
AATCAATAAAAAAGTTCAAATNGCAACTTTTTTCTAATGTGTTTAAAAAATGGTAAATTC
NACCCAAATTCNATGGNGGTTCCCCAACCTTCTTTTTTCNANGTTATTAATTTCTTAT
TTNGNGGTNAAAGTTGGAGGGTANTACCCTTGGGAANGTTGGAGGGCCAAATNAANGAANA
GGTNTGNNGCCCTTTNAAAAACCTTGCCCTGGGNNGAANAAAAACGTNGTTTCNNTTTTTT
TTANAAAAGGTGNNGTNNGNAAAAATTGGTTTNGGGGGGCCCANAAATTCNNTTTCAA
NCCTTTTTTTTT

Sequence 3975

CCGGGCAGGTACACTAATCCTACTGAGCCAAGTGATCATCTTTTAATAAGACCTTTCCT
GAACTCACTTTGTTTGGTCTCTCCCATCTTTGATTGTCCCGCAACAATAAATACTATAAA
ACAGAACTGTTTTAACTTGTGCCCTACTCAGTGACCTGATGAATACATTGGGAACAGT
CCTCCATGTGGGGAATCAAGTGGAAGTCCTTATTACATAAGTCCAAATTTAAGGAGA
ATAAGTCCACGATGAGTTTCTCATGCTTTGGCTGTGCATAGATGAGTCAGCCTTCTGG
GTGTGACTGCAAGCAGGGCTTGTGAGTCCTTCTCAGAGTCACTTTCAGGGGTTGNCT

Sequence 3976

AGGTACCTGACTCCTGACTCAGAACACGCTCTTGAAGATGTTGATCTAAACAAAGTTTAC
ATCCTCGGTGGGCTTGTGGATGAAAGCATTGAGAAGAGGTGACATTTCAAAGGCCCGG
GAATACTCTGTCAAGACCGCACGCTTGCCAATCCAGGAATACATGGTCAGAAACCAGAAT
GGGAAAAACTATCATTGAGAGATACTGGCCATCAATCAAGAGACTCACAACCTGGCCTGAA
GCATTGAAAGAAAGGAGTTTNTTCAGGAAAAGGCTATATTCTTCGGAACCTCAGTGGAATG
ATGGGCCTAAGATTGCAGCTGCGTNGCCAGGTTGCTCACGCCGTTAATGCCAACACTTTG
GTAGACCCGAAGTGGGCCAGATCACCTGAGGTCAGGAGTTCCGACCAGCCTGGCCAACAT
GGTGAAACCCCTNTCTACTGAAAATACAAAAATTANCCAGGNTGGTGGCGCATACCTGT
AGTCCCAGCTACCTTGGGAGGCTGAANGCAGGAGAAATCACCTTGTAACNTGGGNAGG
GCGAAANGTTTGNCAAGTTGAGGCCCCANGATTTTANCCCCAGTGCCACTTCCATNCCTG
GGGTGACAGGANCCAANGAAGTTTCCATTNTTAAAAAAAAAAAAAATTTNATTTATAAA
AAAA

Sequence 3977

GCCGAGGTACTTTAGGAGACCCAGGCGGGCNGATTGCCTNNCGTTTCGNACNTCTGCCCTA
TCAACTTTCGATGGTAGTCGCCGTGCCTACCATGGTGACCACGGG

Sequence 3978

AGGTACAAAAAAGATCAGAAGTTTAAAAAATTAAAAATTATAAGCAAAAAATGTTATAGT
ATGTTAACTCACTGAAGAAAGAAAAATTTGTCCAGGCGTGGTGGCTCATGCCTGTAATC
CTAGCACTTTGGGAAGGATTGGAGGTGTGTGGATCAATTGAGGTCAGGAGTTTGAGATTT
TTTAATTAATTTCTCCAAGAATNGTATACACAGCTTGCCATAGGTAGTNACTTTCTGCT
CCTATCCATGCGTGCATACGGCCCTTAANAGAACNCCCGCTCTNGAACTAAGTGGGANCC
CCCCGGNCTGCCAGGAATTTCCGATATTCAAGCTNTATTCTGANTACCCGNTNGNACCCN
TTGAGGGGGGGGGCCCC

Sequence 3979

TGAGCTGCACTTGTGACAAGCTGCACGTGGATCCTGAGAACTTCAGGCTCCTGGGCAAAC
GTGCTTGGTCTGTGTGCTGGCCCATCACTTTGGGCAAAGAATTCACCCACCAAGTNGCAA
GGCTGCCCTATTNAAAAAATTTGGTGGGCTGGGTTGTTGGCTTAATGCCCCCTGGGCCCC

Table 2

ACAANGTTATTCATAAAGCCTCGCCTTTTCTTTGGCCTTGTCAAAATTTNTTATTTAA
AAGGGGTTCCTTTTTGNTTCCCTTAAAGGTCCCAACCTTNCCTAAAACCTTGGGGGGGA
TTATTTANTTGAAGGGGGCCCTTTTANGCATTCTTGGGGATTTTGGCCCTAAATAAA
AAAAAACANTTTATTTTGCNAAAAAAAAAAAAAAAAAAAAA

Sequence 3980

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTNGAGATGGAGTTTTGCTCTGTCGCCA
GGCTGCANTGCAGTGGTGTGATCTTGGCTCACTGCGGGCTCCACCTCCAGGTTCAAGTGA
TTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGATTACAGGCACCCGCCACCACGCCAGCT
AATTTTTGCATTTTTTAGTANANACGGGGTTTCGCCATGCTGGCCTNGACCTCCCAAAGNG
CTGGGATTACAGGCGTNGAGCCACCGNACCCCGGCCTCATTTTTGTTTTCTACTTTGT
NTAACTTTGGGGAANAANAACCCCAAAATTATTTTAGTAGTTCAGCAAACATTGAT
TGATGGGGAACCC

Sequence 3981

TTTAATCATTTATTCATTCCCTCAGCGAGCGGCACTTCCTGAGCAGCCACTGTATGCTAG
GAGCTGGCAGGAGGCCCTTGAACACTCTGGACTCAGTCTAGTGCTAGATTGATGATCAGG
CCATGACGATGCCAGGTGTGCATGCTGNGGAGCCTGGAACAAGTGCCAAGCCTGGNGGGC
CTTNTGGAGGAGNGCCTGCTACACCCAGCCTGGCAGGAGGCNGACGATCAGGTGTTATT
AAAAAAA

Sequence 3982

CCGGGCAGGTACGCGGGGCCCTCCACCATGTGAGGACACAGCAAGAAGGGGCTGACTCTG
AACCAGGAAGCTGTGCTGTGCTCACCAGACACTTTGATCTTGGACTTCTCAGCCTCCAGA
ACTATGGGGTTCTGCTCTTGTACCCAGACTGGAGTGAAGTGGCACAATCTCGGCTCACT
GCAACCTCCGCCTCCCGGGTTCAAGCGATTCCCTGCCTCAGCCTCCAGAGTAGCTGGAC
TGCAGGCGCACGCCACCACTCCTGGCTAATTTTTGTATTTTAGTAGAGACGGGGTTCA
CCATGTTGGCCAAGATGTTCTTGATCTTCTCACCTTGATCCGCCACCTCAACCTNCC
AAAGTGCTGAGAGACTAAGACACCTTTCTAGACAGAGAGGAGGCCGATGGCAGACATTCT
CAGATAGGTTTGTAGCTATTGA

Sequence 3983

AGGTACTTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TT
NANCNNGNNTTTNTNAAANNAANACNTNAAANCNTTTANNTTTTNAANNAAAAANANGG
GNNTTNTTAAAAAANNGGNAANCCANNANAAAAATTTTTNNTTTTAAANNNNNAANTTT
TTNAAANNTTTNNCNAANNTNCCCAAANNNGGTTTTTTTTTNAANGGNAANTTTNACC
NGGGCNTTTTTTCNNTCNAANTGNNCCNAAAAANTTTTGGGGGGGNANAAANTTNGGN
AAAATTTANTTTNAANNNGGTTNATTNANAAAAAAAAGTTTNAANNNTTAAAAAAA
ANNNGGGAAAAAAGTTGNANTTGNCCNGGAAAAAAAANGGGCCNCTTTNCCCNCCNGG
NAAAACCNCCCNNTTTTNGGGGGGGTGGTTTTTGNNGGGGANNNCATTTTTTTAA
AAAAAANNGGGGGGNTGGGGNCCNCCCAANNNGNCCNCCCGGNAATNTG
NCNNGGGGGGNGTTTTANAAAAANNAAGGGGNNCCCCCNNGGTGGGGNGNAACNNG
AANAAANNNTTTTTTNNCCCCCCCCCCCCCGN

Sequence 3984

AGGGAGAAAACTTGGAAGCTTGCAAGTAATCTTCTGTAACATTTTATTGGCTGGATTACA
CCACATGCCCATATCTAAACCACTAGGAAAGCAAATGTAATTACTGNGATTAGCTT
AGAATAATGATTTCTCTTTTGGAGTGGGATTGGGGTAATGGAATACTGAATACCTAAAG
AACTTGTGTTTCTGCAGCAAGAAAGAAAAATAATGCTTATGCATAGGAAGCCAGCAAT
GTTTTCTGCAGGGATTCATTTGAAAATTTTGGCAGGGGAGTCACAAGATTAGATTTGA
GTNTCAGGGCATACTGGTTATGGNATAAGGCAGAGATTGGCAAACCTTTCTGTAAAGT
ACAGATAGGGGAATATGTTAAGCCGCTTGG

Sequence 3985

Table 2

GGGGCCCNCCCCGGGGGCCAAGGGGTTTCNNCNGGNGNGGCCCTTCCCTTTTTTTGG
TCCCGGACCANTCTTTTGGACCGAGNGGCCTTGCNGGTGGTTCTTGGCTTGCTTATTTTC
TCCCGNNGCCTTTTCGCAAANTACCCGCCTTAANGGGNCCNACCCAGGAAAAGAAAGGAA
AAGGGGACCCCTTGGGAAAAAAGTTCTGGCCCCAAANAAAANGANNCAAAGGACCCCCNN
NTNGNAACNNAAAATTCNCCGGGGGGGGGCCAAGGGGCCCA

Sequence 3986

ACGCGGGGGCGGCGACGACCCATTGANGTCTGCCCTATCAACTTTCGATGGTAGTCGCC
GTGCCTACCATGGTGACCACGGGTGACGGGGAATCAGGGTTCGATTCCGGAGAGGGAGCC
TGAGAANGGCTACCACATCCAAGGAAGGCAGGCGCGCAAATTACCCACTCCCGACCC
GGGGAGGTAGTGACGAAAAAAAAAAAAAAAAAAAAAAGT

Sequence 3987

TACTATGGNCGAATTGGACTCNCGGGTGGCGGCGCCGGCAGGTCAATGNCTCTTTCGCTC
CCCGTTGCCCTCTGGATCACTGCTAAATCGGNGAGGCAGGCCCTGNCTCCTCAGCTTAGG
CACCACCACTGNCCTGGGNCAGTGAATCGACAATGCCGCTTCTGCTCGTGGGGCATCCT
CCTGCTGNAGGCCTGTNCTGCTGGTCCCTGCTCCTGNTGAGGATCCCCAGGGAGATCCTG
CCAGAAGAAGATCATCCCAACCATGATCAGGACACCCANCCCTTCANCAAGACACCCCCANC
CTGGCTGAGTTCGCCTTCAGCCTATNCCGNCAGCTGGCACACCAAGTCCAACAGACCAATA
TCTTCTTCTCCAGTGAGCATCGTACAGCCTTTGCAATGTNTCCCTGGGGNCAAGGCTGN
ACTCAGATGAAATCCTGGAGGCCTGAATTNAACCTCNGGAGATTCCGGAGNTCAGATCA
TGAAGCTTCAGGAACCTCCGACCTCGGCCGTCTAGACTAGTGGATCCCCCG

Sequence 3988

GATATTAGGGAGTCGACGCGTAAGACGTGTTTTGCGACTCCGGAGCTNCCGCGCTGTTGG
NNGCCGCCCCGGGCAGGTACCATCATCATTCTCTATTTNTACCTCGATGAGCAATNCAA
CAAATTCCTTGANGGATTGAGCCGACGTTAATTTATCGTCAGTNAGANTGTCTNCAATG
AANTCANACTGAAATGACTGCAGCGTCTGGGAAAATTTCTGAACAGCENNAAGAATAATTT
CTCATAGNGCTGATAAGCGCGTTGCCGTNTTGTATTACNTNTTNAATGAATTNGCTGNAN
CTCTACAGTTCCTGCTNATAACACTTGAGCCTTTTNGNGGAAATCGNGGCTGTCCAGGTG
GCAGTATGTTNNACTACAAATNGAGGATGACCCNTGGNTNTGANTCAGNGGGGGACCTCT
GAGGAGCENNTGGCTGGGTTCCGGACAGAGAAAGGCGCCCGNCCATGGCTTTTNGGNCAG
GGAGAGCTAACTATCNTAGTTTGNCCCGGCANGGTGGNNGCCTTAGCAAGCAAAATTGTN
CCCTTANGCATTGTNCTTNTCCNNGATAANGCCAGCNAAAAACCGNCANGCCCCNTNCC
NTTTTCTTTGGGNNAATATAAGAACCTAGGGGGGATCCCCCGNNCCTGGGAAGGAAT
TTNGNTNNTTACGCTTTNTTGGTTNCCGTNCTNCCTTNTTGGGGGGGG

Sequence 3989

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACGCGGGGAAATTAACA
CCAGGTGGTGAATAGAGCCCTCCTAAGGTTGCTCAGGATAAATCATTTATTAATAGGT
CTGCTTATCAGGAGGGGCGTGAAGGCTCCCAAAGGAAATGCTGGCACCTGGGCCAGAA
GCCAGGGCCTCTAACTCCTGGGGTTGATTTCTTCAGTGAAGTTGCACCCTACAAAGGGAA
TATGGCCAAAGCGGCACTCAACTGAAGGCTGATATCAGGGCGATTAGACAGCCATGCATT
CTGCGTTTGTCTGGAATGGATTGTAGAGAGATGGACTTATATGAGGACTACCAAGTCCCCG
TTTGATTTTGATGCAGGAGTGAACAAAAGCTATCTCTACTTGTCTCCTAGTGAAATTCAT
TCTCCAC

Sequence 3990

AGGTACATGGCCCCGGGTGTTGAAGGTCTCAACATAATCTGAGTCATCTTCTCTGTT
GGCCTTGGGGTTTCAGGGGGGCTCGGTACGAGCACTGGGTGCTCCTCCGGGGCCACGCG
CAGCTCGTTGTAGAAGGTGTGGTGCCAGATCTTCTCCATGTCGTCCANTTGGTGACGAT
GCCATGCTCAATGGGGTACCTGCCCGGGCGGN

Sequence 3991

AGGTACCAAGCCAGCAACACCAACCAATGCTACTCTCTTTAAAGTCCATTTTCTTCTT

Table 2

CTTTTTTTTTTTTTTTTTTNGGAGACAGCATCTCACCTGTCTGGCTGGTCTCGAACT
CCTGACCTCAGGTGATCCGCCGCTNACCCTCCCAAAGTGCTGGGATTACAGGCATGAG
CCACCATGCCAGACTTCCCATTTTACTTTCTGCAAGCTGTTTNCCTAGCAGCTCCCTCTA
GGGGAGAGGTGAAATCTTGCAAGTTGTAGCAAGAGCACACAGGAAACCCCTAACTTTCCT
ATACCCACCCGCTCTTCCCTTTCTGTCCCGGGATACCTGGCGGGAAGAGACTTNTTG
GCTATTGTCCATGCTCCCAAGTCAAGCATAAATGCCAGACACGGGCNATTTGAGAAGCC
CAATCAGTGNACCCTTTTGGCAAAGCCCCCATTCACACCTGGGCACTTCCCTTTTACCAA
TCCCTGGGCACAANGGGTTTNCCTGGGNGAGCAAGGTGCNTNTNCCCTTGCNCCGGGGCG
GGGCNGCTTTTAAANAACTNGGNGGATTNCCCCCGGGGCTTGGCANGGGAATTTCCNAT
ATTTAAAGGCTTTTTTGGAAACCCCGCCGAACCTTTTAANGGGGGG

Sequence 3992

ACTACTATAGGGCTTNTTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGCTTACAA
GTCCTTCTTGATCCTGAACTGGGTAGGTGCCGCTGTTGCTGCTCGTGTGAATCTAGAA
CCGTAGCCAGACATGGGACTGGGGGACGAGCAAAAGATGCTTACCGAATCCGGAGATCCT
GAGGAGGAGGAAGAGGAAGAGGAGGAATAGTGATCCCCTAACACAGTGAGAGAGCAA
TGCGAGCAGTTGGAGAAATGTGTAAAGGCCCG

Sequence 3993

AGGTACAAATCTGGCTGCCCCGTTTACTTTCTGAGCAAGCACTGGAGTCCACTCCGACCTT
TTTCTTTGAACATGCATGCTGCTGGAATATGTATAAATCAGAACTAGCAGAAGTAGCAGA
GTGATGGGAGCAAAATAGGCACTGAATTCGTCAACTCTTTTTGTGAGCCTACTTGTGAA
TATTACCTCAGATACCTGTTGCTACTCTTCACAGGTTATTTAAGTTTTTGAAGCTGGGAG
GAGAAAGATGGAGTAGCTTGGCAAACCTCAGCACTCCTGTTCCCTGCTCAGGTATATGCC
ACGATAAAAAATGCCAGTTTGGCAAACCTCAGCACTCCTGTTCCCTGCTCAGGTATATGCC
GAATCTCTACTGGGGAAGCAAGCCCCAAAAAGTTAGACCAAAAGTATTTAATGGAGGTAT
TTCCTTTTCTCCATTAAGTGCNAGGACTGGTTACTTCACTTAACTCTACCCAGGA
AATGGGAAACAAAAGAAATATTTTTCTTGAAGAATTTTTTTTTTGAAGAATTAATTTA
TTACCCCTATTNAAAAAANAAAAACCTTGGTTAGGCCTTCCGAATGAAAAGGCCACCTTC
AATCTTCTNTTCTANCCTAATTTTTTTAAAAAAAGTTTTTTAAGGNNCCTGGANCC
CTTGGCCATTCAAATNCCATGCCCNCCCANAAAAGGGGGNTTTCCNCCACCCGGGCC
CCCCTTCATTTANCCGNNCCAAAAGGGGGCCCTTTCTTNTNTNCGNNTTTTTTTTT
CCCCCCCCGGGGCCTTTTTANTTTTAAAACTTTTTCCNTNTTAAAAAAAATG

Sequence 3994

AGGTACCGCGGGATCTTAAAGAGGTTCTTTCTCTGGGATGTGGCATGAGCAAACTGA
CAAGTCAAGGCAGGAAGATGTGCCATCACAACCTATTGGGTTTCTGCTGCTCTGGGTTC
CAGCCTCCAGGGGTGAAATTCTACTGACTCAGTCTCCAGACTTTCAGTCTGTGACTCCAA
AGGAAAAAGTCACAATCACCTGCCGGACCAAGTCAAGAGCATTGGTAGTAGCTTACACTG
GTACCTGCCCCGGGCGGCCGCTCTAGAATAAGTGGATCCCCCGGGCT

Sequence 3995

CTTCTTGCCCAAACCCGGCCCAATCTTTNGGAAGCCCTTTNGCAACTTCCCCGGCGTTAC
CTTCGGGCCCCGCTTCTAAGGAACTAAGTGGGAATCCCCCCCCGGGGCCTGGCAANGGAA
AATTCGAATATCAAAAGCCTTTAATTCGNAAAACCCCGNCGGAACCTTCNAAAGGGG
GGGGGGGCCCCNNGGGGAANCCCCANGCCTTTTTTGGGTTCCCCCTTTTAAANATNGG
AANGGGGGTTNAAAATTTGGGCCCCCCCCCTTTGGGGCGGTAAANTCNAATNGGGGGCAA
AAAAAGCCTTGGGGTTTTCCCTGGGGGGNNGGNAAAAAATTGGGTNAATTNCCCCGCT
TTCANCAAAAATTTCCCCCNCCCAACCTTACCNGANANCCCCGGGGGNAAGCCNT
TTAAAAAANGNGGGGAAAAAANGNCCCNNGGGGGGGGGGGGGGGCCCTNAAAAGNNGGA
AGGGGGGNAANCCCCAAAACCCCCACCAAATTTTAAAAAATTNGGGCGGTTTGGGGGG
CCCCTCNAAAATGGGGGNCCCCCGCGTTTTTTTCCAANNGGGGGGGGGGNAAAAAACC
NCTTTTTCNNTGGGGCCCCCAACCTTTGGGNGTTTTTTAAAAAGAANAANAANGGGGGG

Table 2

CCNAAAAA

Sequence 3996

ACCCGGNNGGGGNGGGGCTGGGCCCCGCCCCGGGGGCAAAGGGCNACCCNATNTTTTNNN
CNCCCCANNNCNCNNNGGNNGGGGGGGAAGGGGTTTANANGGNAAGAAGGGGGNGGGN
NNGGAGCCCCNNGGAAACCGCCANNNNCTTTAAAAANNGGGGGGGGGCCNGGGCNNANAA
ANGGGCCCNACCCAAAAGGGGGGGGGGNAAAAAAAAAANNNNNNNNNNAAACNGCNCNCC
AAAACCAAANGGGGGGTNNNGCCCCNAAAGGGGGGGCCCCAAAAAAGAAGGCCNNGGGCC
NCCCCCCTTGGGGGGAACNAAACCAGGGGNNAAAAAAAAAANNAAACCAAAGGGGGGG
GAAATNNAAAAANGGGGGGNCCGGGGGGGGGGGCCAAAAAATTAAGGGGGGGGGA
AACCAAAAANAATCCCAAAACCTTNGGGGGGACCAANCCCAGNNCNAANTCNACCCC
AAGGGCCCCCGGNAANGGGGNTTNGGGGCGGGCCCCCNAACCCNAAAAAAAAA
ANCCNTNNCCCCCANCCAANAANATNNGGGGCCCCANNCAAAAAANACGGGGGGGGGG
GGGGCCCCCAATTTTAAAGCCCGGGNCCCCNAAAGGGGGAACCCCGGNGNCC
GGGGGGGNANCCGGGGGGGGGGGGGCCAAAAAACCCNTNGGGGGNCCCCCCCCCCC
TGGGNNAAAAAGGGGAAAAANTNCCNANGGGGNAAAAAANCCCNAAANAAAAACCC
CAAAAAAGGGGGGAAAAAGGGGGGGGGGAAAAAGCCCCCNGGGGCCAAAAA
AAAAAANNNCNCCCGGGGGGGGAAAAAANNNNGAANAANANCTNGNCCCC
CCNNGG

Sequence 3997

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGTATGTTAATATC
CTTATGGTTACAAGAAATTAAAAAAGTTTAAATTACACATATTTAGAGTGACCAATT
TAGACTTTTAAGCCTAAGATTACATTTGGATAAAATTTGGAAGCTGAGGTATAATAAA
GATATAATTTAAGGAAAAAAGAATTAATGTGAAATGTCCAAGCATCAAAAAGGAAGCTT
GTTTATGTATTTTATGTCAATATTGGAGGACATAAAATCACTAATAGTTTGGCCAGGT
GCAGTGGCCCACTCCTGTAATCCAGCACTTTGGGAGGCCGAGGTGAACGGATCTGA
GGCCAGGAGTTTGAGACAGCCTGGCCAACATGGNTGAAATCCCCCTCTCTACTAAAAATAC
AAAAATTANCCAAGCATGGTGGTGGGTGCCTGTAATCCAGCTCTCCGGGAGACTGAGA
CAGGGAGAAATCGCTTTCAAACCCAAGAAG

Sequence 3998

CCGGGCAGGTACAGGCCCTCAAGCCCGGGCTTGTTTTGGCCGCGACGTCACTTCCGATTT
CTTCTTTCGCTTCTCGGCTAAAAACGTTCCGCAGCAATGCAGCTGAACTTTCGGGTTT
TCTTTTTTTGTCCCTCTCTCCTTTTTTTAATATTTTGTTTTTGCGCGCTTACGCTC
CGAGGCCCATCCTGCCGGAGTACCT

Sequence 3999

CCGGGCAGGTACCGCGGGGCTGTCAGGTTGTGCTTCCGGTGCGGAGGTACAGGACAAGA
TGGTGCCACCGGTGCAGGTCTCTCCGCTCATCAAGCTCGGCCGCCCGGGCAGGTACGCGG
GGCTGAGCAGTCGGCTGTGACTCTCGACAATGTAACCTCGCAAATCGATGGAGTCCTTTA
CCTGCGCATCATGGACCCTTACAAGGCAAGCTACGGTGTGGAGGACCCTGAGTATGCCGT
CACCCANCTAGCTCAAACAACCATGAGATCAGAGCTCGGCAAACTCTTCTGGACAAAGT
CTTCCGGGAACGGGAGNCCCTGAATGCCAGCATTGTGGATGCCATNAACCAAGCTGCTG
ACTGCTGGGGGTATCCCGCTGCCTCCGTTATGAGATCAAGGATATCCATGTGCCACC

Sequence 4000 -

CCGGGCAGGTACCTAGAATAAGTGAGAAAGTGGGGGAAAGGGAGCTGATTACCCGCGCCC
AAGCCGTTCTTCTTAAGAGCCCTGCACCGCGCCACCAGCTCCCAGCACAAACAGCTC

Sequence 4001

CCGGGCAGGTACGCGGGGGGAGTGCTCCCAACCAGAAGATGAGGGAAATGGAGATAATGA
AGCACGTCCTCTACCAACACGATAAATCTACAGGCACTGTAAGATCAAGAATTTAA
GATTATTTTGTCCACCCCTATTTTACAGAGTAATCAAGTCAGAGGATTATGACTTTT
ATCTGCCTAGAGAAGAACTATGGATCTACAACATGGAGACTGGAAGATGGAAAAAATCA

Table 2

ACACTGAAGGTGATGTTCTCCTTCTATGTCAGGAAGCTGTGCTGTGTGTGTAGACAGGG
TGCTGTACCT

Sequence 4002

CCGGGCAGGTACAGGCTAGACTCAGGATCGCCCTAAGGGAGTTGGCATGGAAGATTTTCAG
AGCTGGGCAGACTGGGCGGGGACCTCTCATCTGTGTTTCTGAGGGTCACCTAGCCTCTT
TGAGCCTCCGTTCTCCATAGGTGAAAGGAGTGTATCATATCTGCCTTGACAGGGGTGTTGT
GGGACTCAGAAGATGTCCATAACATCTATGCCAGTGTAGAGTAGGAACTGGGAAATAAT
ATCCATTACTGTGATTTTGTGAGGAGTTCCAGATAACTGCTCAGGTCTTTAAGAGAATTC
CTTGGTCTTCATACTCCACTCCCAGCTCTCAGCTCCCGTTCCTTTTCTTCTCTCCCCAG
TAAGTCGTTGAACGTCCCCGCGTACCT

Sequence 4003

AGGTACCTGACTAGTGTTTTATTTGAAAGGGAAAAATAAAGACCACCCCATGCATTGTCC
ATCCCATGAGGCAGGGCTGGGCCATGCCAAGACAATCTCAAGGAATGGAGGTCCCTGAGC
CTGGGAAGACATTTGAACTCAGATGTATCGCCTGATGCTAGGAAGAGGGGCTCAGTATGG
CAAATCTGGAGGCTTTACCCTAGGCAACCGCAGGGAGAGCAGGCAGGAGCTACCCCAAGT
ACCTGCCCGGGC

Sequence 4004

CCGGGCAGGTACTTGACGCCCTCGGCCAAACGGCCANACGCCGACGTCTACCNGCAAAAA
CTGNTTAGANGNTTGATAGCTGTANGACTGGGTGTTGCAGCTCTTGCAATTTGCAGGTGCG
TACNGCATTTTCGGATCTGGAAACCTCTAGAACAAGTTATCACAGAACTGCAAAGAAGAT
TTCAACTCCTAGCTTTTTCATCCTACTATAAAGGAGGATTTGAACAGAAAAATGAGTNNGC
GANAAGCTGGNTCTTATTTTAGGGCGTAAGCCCAATCTGCTGGCAAGGCTNAGAATTAGA
ACAAGCCTCATTAGGGAGGAGTTTCATGGATTTTTGAATTCACCCANGAATAAAAGGNG
GGGATCCTTCCCTTTTACGTTANGGCNAGCTCTCANTNAGNNTTAANNNGNANATTTTNA
GAATTAGNNANGGGTANCCNCTNNGGCCCGCTTTCTTTNAGAAACCCTATGGNGGGGA
ATTCCCCCCCCNNGGGGCGCTTGGCAGGGGGAANTTTCCNAAATANTNNNAAAGCCTTTTA
TTCNGGANTAACCCGCTNCGGNAACCCCTTTTATAGGGGGGGGGGGGGCCCCCNGGTTTNC
CAAGGNTTTTTTGGT

Sequence 4005

AGGTACGCGGGCAAGGAAGAAAAGGTGGTTGGGATCCATATGCAGGGACTTGGGTGTGAT
GAAATGCTACAGGGTTTTGCTGTTGCAGTGAAGATGGGAGCAACGAAGGCAGACTTTGAC
AACACAGTCGCCATTACCCCTACCTCTTCAGAAGAGCTGGTCGNACTTCGTTGAGAACCA
GGAGACACGTGTGGCGGGCAGTGGGACCCATAGATCTTCTGAAATGAAACAAATAATCAC
ATTGACTTACTGTTTGAGTTTTATGNATTTCTTTATTTTAATCAGGATCTTCTGATAGTG
GAAATTTTTANTACCTGCCCGGGCGGC

Sequence 4006

AGGTACTTTTTNTTTTTTTTTTTTTTTTTATGGAACCAAACCCAGGATTTGAGTTTTGT
TTAATGACTGGGCTAAAAATCACAATGGAGAATGAATATAAAGGAAAAAAAACAGGGA
TGATTTTAAAAAATATTATCCTTTCCCCCATGACTTCATGACAGGGAGAGTTAAGCGAG
CTCTGTTGAAATCCATCTGTTTTAAGNGGCTTTAGTCAGGGCCTTTGTTTTACAAGGAA
ANGGCAATTACNACNGGTTTTGATAAGGATGCTCTGACANAATNTTTTTTTCATGGGAC
TGCTTTTCATGATGCAGCNCCTTGCAAGTATTTCTCTTTCTTGAAATCACTGGTATTGC
CCTTTATTAATCCACTTGCCCTTATTCTATTAGG

Sequence 4007

ACTGGAACAGCCAGAAGGACATCCTGGAGGAGAAGCGGGCAGTGCCGGACAGGATGTGCA
GACACAACACGAGCTGGGTGGGCCCCATGACCCTGCAGCGCCGAGTCCAGCCTAGGGTGA
ATGTTTCCCCCTCCAAGAAGGGGCCCTTGACAGCACCACAACCTGCTTGTCTGCCACGTGA
CGGATTTCTACCCAGGCATGCATTCAAGTCCGATGGTTCTGAATGGACAGGGAGGAAAC
AGCNTGGGGTCGTTGTCCACCAACNCTGAATCCCGTAATGGGAGTACTTGGACCTTTC

Table 2

AANAATCNCTGGGTTGATGCCTGGGAAAATTGACNCCCCAANCAAGGGGGAGATGTCTA
CACCTGCCNAAGNTGGGNAGCACANCCAAGCCCTTGGATAGNTCCTGTCAACCCGTGGG
GAGTTGNGAAAAGGCCAACAAAGTTCTTGATTTCTTGCCCGGGAAGTTAAGNAACATTTGA
CCGGGGGAGGCCNTGGGGGGGCCCTTCNGTTGGCTGGGGGGCTTCAATNATTTTGGTGGGA
AGTGGGGCCATTTNTTTTCATT

Sequence 4008

CCGGGCAGGTACCGCGGGGTAATCTTAAAGCCCAGGTTACCCGCGGAAATTTATGCTGT
CCGGTCACCGTGACAATGCAGCTGAGAAACCCAGAACTACATCTGGGCCGCGCGCTTGCG
CTTCGCTTCTGGCCCTCGTTTCTGGGACATCCCTGGGGCTAGAGCACTGGACAATGGA
TTGGCAAGGACGCCTACCATGGGCTGGCTGCACTGGGAGCGCTTCATGTGCAACCTTGAC
TGCCAGGAAGAGCCAGATTCTGCATCAGTGAGAAGCTCTTCATGGAGATGGCAGAGCTC
ATGGTCTCAGAAGGCTGGAAGGATGCAGGTTATGAGTACCTCGGCCGCCCGGCAGGTAC
GCGGGAGCCAAGAGGCGGATAAGTGCCCCACCTTAGAACAGTATGCCATGAGAGCGTTTG
CCGACGCACTGGAGGTCATCCCCATGGCCCTTTCTGAAAACAGTGGCATGAATCCCATC
CAGACTATGACCGAAGTNCGAGCCAGACAGGTGAAGGAGATGAACCCTGCTTCTGGCAT
CGACTGTTTGCACAAGGG

Sequence 4009

AGGTACAAACAAGCCCTTAATCAAGTCTCTAATCTAGGGACAGTAACATCGGCTATTTGA
GTGCAGGCACCCCTAGGTTGTTAATGTCTGTTTCCCAACACTATTCCATTCCAATATTTT
CTTTACCTAAAGTGGGATAATGATCATAAAAAAACACAATAATTTCTTACAACACT
GCTGATACTAATAATCACACAATTGCATGTAAGTTAATCTTTAAATTTAATCAGTCAT
TTATAAACTCCCCAATTAGTAAAGTTGGCTTATTTTAACAGCCTTAAACATTGGCCAC
TATTTAAACAAGACATTCTAAAAAAGCAATCACATAATAGTTTATAGTCATTTAC
AAGTGGATGGTATACATTTAGATACAGAGGTAGAAGTTCACCTTTACAATGTTTCACTAA
TACACATATACCAAATTCAGGCACAAAATAGTTTGCTTTACAAAAAATACTGTAAAA
ATGTCATTTGCTGTTCTACAATGTGAATAAACCTTTCAAAGAATCTTTACACCTTNCA
TACATATGCCATAGAATAAGATTTCTCCTCTCACTAATCATAGTGGCACAAAAATNGGG
GACTTTTCAATGTAGAAGTTCCCATTTTAAAAA

Sequence 4010

TATACCTTTGNANTCCATTGNCCTATTTCACTGCCNGAATAACTTGCTATTTGCTCTCC
AAGCACACTTTTGACTATTGACTCCNGACACAACTTATTTGTATATTCTACAAATTATT
ATTACAAAACATATAAACATTCTTGGAAGTATGCATACAGTATCATATAAAATATTTT
NATTTATATTGAGCTTTTACGTTTTTGCTTCATTGTGAGCCTTGGTGGCATGAAGGTTG
CGCAAGCAGTAAGTCCATGTAAGTATCACTCTATCAGGGTGTTCTCTGGCTCTACCA
CTCGGGAG

Sequence 4011

AGGTACACTGTAATTTAAACATTAGAAATAGAATTAAAGTGTTTTATTTCATTGTAAAA
ACAAAGTAGTTTGAATAGGGCTTGCTTTTTTTCTGGCAAGTAACCTACCATACTGAGTA
AGCATCTTTATGTTACGGCAAACCTGCCATACTCCTTCTAAGTTTGGGTCAGCTTCCAC
CCTTTTATTGCTTGTGCTTCAATGTTGTGAAATATTTCTATATTCACATTAAATATCTT
TTAATGTAAAGTTTTTTTTTTTAAACATCACTTCTCTGGGACGTATCTGTCTTTATTG
CAACCACTTTGCTTATTTGTGTTGGTAAGTTTGCTTCACTAAGCTCCTATGAATACACA
GCAGCAAGAACAACATTTCCCATGGTCAGTGAAGTCTTCTACAAATTCATTTATGTTTGAT
TAAATTTCACTTCCAGTGTTATCATTTTTATTGCTTTGCTGCACTTTCATCTTTGTTG
ACCANGTTCTTTGAGGTGTCACTTCTATAGAAATGGCAAAGTNGATGACAGAGAAGACA
GCCNTAACTACCATGCTCTGGCTGGACCTGGCCCCGGCGGGGCGCTTTTAANAACATAAGT
GGGAANCCCCCGGGCCTGGCANGGAAATTCNANTATCAAANGCCNTANTCGGATACCCG
GCCNAACCTCCNANGGGGGGGG

Sequence 4012

Table 2

ACTTTGGCCTCTCTGGGATAGAAGTTATTTCAGCAGGCACACAACAGAGGCAGTTCAGAT
TTCAACTGCTCATCAGATGGCGGGAAGATGAAGACAGATGGTGCAGCCACAGTTCCTGTG
ATGTCCACTCTGGTCCCAGGGCCGAAAGAAATCAGAGTTTGATACTGTTGACAGTAATAT
GTTGCAGCATCTTCAGGCTGTAGGCCATGGATGTTGAGAACAATTCTGTCCCAATCCA
CTTCCACTGAATCTTGACGGGACCCCTGTGTGTAACTCGACACATCGTAGATCAGGAGT
TCAGGGGCTTTCCCTGGTTTCTGCTGATACCAATTTAAATAGGAGACAATGCCTGAGTC
GCCTGGCAAGTGATGGTGACTGTGTCTCCACAGATCCCGCGT

Sequence 4013

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTACTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTAAAAGGGTTNGCTNAAAAATNTTTTNACTGATAGGCATGGCTNC
NNAATNNTTGANTNTTAAAGGCCAAAGGAAAATGAGGCCTGGCCTGGNANCCCTNTNCNT
NTAAACCNATTTAANTTTTCCCTTCCCTNGAAAAAAGGGTTT

Sequence 4014

AGGTACGCGGGGTTCTTACCTCAGAGCTGAGCTGGGCATGAGTAGATGCTCAGTAAGTGG
TGCACAGGGTTGGTCCCTATGGTGGAGGCCCCCTAACACCGCCCAACCCCCCTCCATGTT
CTCACAGCTCCACGCACTGAGCACGGGCATGAAGGCCATGATGTCAGAATTCTGCACCCA
GGGAGCTGAGATGTACCGCAGGGCCTGTGGCGGACATGGCTACTCAAAGCTGAGTGGCCT
GCCATCACTGGTCACCAAATTGTGGCCTCCTGTACCTGCCCCG

Sequence 4015

ACGCGGGGCCCCCTTCCATGCTGTGGAAGCTTTGTTCTTTTGTCTTTCACAATAAATCTTG
CTGCTGCTCACTCTTTGGGTTTCGCACTACCTTTATGAGCTGTAACAATCACCGCAAAGGT
CTGCAGCTTCACTCCTGAAGCTAGCAAGAGCACGAACCCACTGGGAGGAATGAACAACCT
TGGACACGCTGCCTTTAAGAGCTGTAACTGACTGCGAAGGTCTGCAACTTCACTCCTG
AAGTCAGTGACACCATGAACCCACCAGAAGGAAGAACTCTGGACACATCTGAACATCTG
AAGGAACAAATTCCAGACACACCATCTTTAAAACTTTAACACCCACTGTGAGGGTGCCT
AGCTTCATTCTTGAAGTCAGTGAGACCAAGAACCCACTGGAAGGAACCAATTCTGGACAC
ATTTTGGTGACTACGAAGGGACTATCACCTATTGCCAAGCAGTGAGACTATCACCTATCA
CCAAACATCTAGGAGGACAGGCAAGGGTGCA

Sequence 4016

AGGTACGCGGGGGCCCCCTACCAACATGGCCGCGGGCTGGAAGTGCGCATGAGCAGCTGT
CTATGGAGATGCCTAGGCCGGGAGAGGGAGAATACAGTTGGAGAAAATCGGCAGCTGAGA
CGGCCTTGGCCGGACTTAGCACTCAGGCCTGTGAATCAGGAGATACAAAGACCTCCAAA
AAGGACCAGTTCCCTCGGATGTGCCCCCTCACAGAGAGATGAAGGGGCGAGCAGAAAACAGC
CGAAACGGAAGAGGGGACAGTGACAGATTAGGAAGGTGAGTGGCTACTGGGGAAGACCC
AACCAGTGTGGCTATTGCCAGCATCCAGTCAGCTGCCACCTTCCCTGACCCCAACGTCAA
GTACCTGCCCCG

Sequence 4017

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGANATGGAGTCTGGCTCTGTGCGCTA
AGCTGGAGTGCTGGAGTGCACTGGCATGATCTTGGCTCACTGCAACCTCCGCCTCCCGGG
TTCAAGTAATTCTCCTGCTTCAACCTCCTGCATAGCTGGGATTACAGGTGCTCGCCATGA
TGCCCGGCTAATTTTGTATTTTAGTANANACGGGGTTTCGCCATGTTGGCCAGGCTGG
TCTTGAGTTTCTGACCTCAGGTGATCTGCCTGCCTCGGCCTCCCAAAGTGCTGGGATTAC
AGGCGTGAGCCATCATGCCGTCTGTCTGCCCTTANCAGTATTTNTTGAGCATTTTCT
GGCTTGGTTTTAGGGAGTTGGAACCATCATNTGTCTTTCAAGGCCCATCTCATNTGCACG
CTGTCCATGACTAAAATGTGGGGCGAGACTCTCAGCTCATCTTCCCTCGAGAATGGCTAT
TTTTAGCCTGAGTTTACACTCTTCATCCTTTTTT

Sequence 4018

CCGGGCAGGTACGCGGGGATTTCCAACAAGAGCACTGGCCAAGTCAGCTTCTCTGAGAG
AGTCTCTAGAAGACATGATGCTACACTCAGCTTGGGTCTCTGCCTCTTACTCGTCACAG

Table 2

TTTCTTCCAACCTTGCCATTGCAATAAAAAAGGAAAAGAGGCCTCCTCAGACACTCTCAA
GAGGATGGGGAGATGACATCACTTGGGTACCTCGGCCGCCGGGCAGGTACGCGGGGCAC
TTGGCTTCAAAGCTGGCTCTTGAAATTGAGCGGAGAGCGACGCGTTGTTGTAGCTGCC
GCT

Sequence 4019

NCCGGGCAGGTACAAAAAAGTNGANAAATTTTCTCANAGCTTGTCAGATGTGGGAACTG
AACTTCATTGCTCTACAATGTTGGCTCAAGCAATGGCTAATTTATTANTGGACAAATCTA
AAAACGGCCAANGAGCAAAATCCTAAATGGGAAAATGTTATAATTGTGGAAAAATCGGAC
ACTTCAAAAAAGAATACCGTCAGACCTTTGGGCAGAAAGGGATCTTATAATGCAGCCCCC
ACCCAGAAAAAATGCCAGGACTTTGCCCTCATTGCAATATAGGAAATACTGGGCTAGT
CAATGCCACTCAAAATTTTCATCAAGAATGGACCCCCCTGTCGGGAAACGAGAAGGGGGC
CTGGACCCGGGCCCTATAACAATGGAGGCATTCCCTGTCCAGCCCACAGCCCCATCTTA
AGGATAG

Sequence 4020

AGCCCTGCAGGCCTCTGCCCTGAAGGCCCGGGCGGGGAAGAAGGAGAACCTGAAGGCTGN
NCAGGAGGAGTATGTNAAGCGAGCCCTGGCCAACAGCCTTGCTGTCAAGGAAAGTACCT
CGGCCGNTCTAGAAGTAGT

Sequence 4021

AGGTACGCGGGGAGCAGCCATTGAAGCGGAAGGAACTGCGGGTGTGTGTGTGTATGTGT
GTGTGTATGTGTGTGCGCNCGTGCGTGCCTGTGTGTGCGCGCNCCTAGTGTGTGGACAAGG
AGGTGGGGGCAACTGAGTTAANAGNCCCACTCTTGGACTCCATTTGCTATTCTCTTCTT
TCTCCCCACACCNATCTTGTGGTGGTAGNGGGCCNTTATATTTGCNGTTCCTTTTCAT
TCATTTCTAAATCTCTTAAAAATTTTGGGTTGGGGGGTN

Sequence 4022

TTGGAGCTCCACCCGCGGTGGCGGNCCANGTACCANATNCCTGNCATTCAACAACCTTNCC
CTTCCAAGAGGGNGCTGATCACAGACTTTTTACTTGTAAATGGGGCCAAGAAGAGNCAGTT
NCTTAACTAATNGAGTTCTTTTATAACAAGAGACTGCAGATATCNCACAGAAAGAAT
ACCGGTTGTATGTTTCTGAATTATTACTAAAAACATTTNTTTAA

Sequence 4023

NCGCCCGGGCAGGNACCTTGTTGGGCATTAGGTGATTGTAGTTATACACTTTNNCAAAAGA
TTTTATCTTTGATCTCTTGGCGATCTTCTTCTTGCCCATGGCAGCTTGTCACCTTTGCGGG
GGTAGCCGGTCAATTCAGCCACCAGAGCATGGCTGTAGGGGGCCGATCTGAGGTGCCATC
ATCAATGTTCTTACGATGACAGCTTTGGGTCCGAGTTAGCCGTTCAGCCAGGACAAA
GCACCACNCTTCCAGGTTTCATGAACCTTGCCCATTTTTTGGCAGCAACCACCCCGGGGC
CCTACCAGCAAAAAAAGGGAAAAAAGGGACCACCTTTCNCGCTTAACCCCCCGCGGTT
ACCTTTCGNGCCCGNTNCTAGGAAGTGGTGGGATCCCCCCCCGGGGGCTTGCCAGGGAA
ATTCCGTATTATNAAANGCTTTATTTCNGAATANCCCGGTNCGACNCTTCCGAAGGGGGG
GGGGCCCCCGGTATACCCCANCCCTTTTTTTGGT

Sequence 4024

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGAATTTATCATGGATT
ATTGACTGCTGAGAAAGGGACAGTGGAAATTTAGCCATACCAAGGACTATACTGGAAACAG
ACTTCTGCTGCTGAATGTGCCCTGATGTGACCAGGTTGCACTTGGAAGAGATCCTCGCGT
CTTCATGAGGCACCTTAAAGCTTATAAAGAACTGCGGCTGGAACCTCATCTGGTGCTCCCC
ATGAGAGTGCTCTGCTTGTAGACTGGCCAGTGTCATGAAACAACGTAAATACCAACAT
GTGTGCATGGGTCAACAGTCTTGCCATTTCTCATCAAAAGAAGCCAAATTCATGATCAA
CATCTCTGAAGTTTCAAGTAAGGTCCACACTTCTTTGAATTACTCTTCATGGGCCACAT
TAGGTTGTGCTGTGAATTACTTAAGGCAGTGATACTGATGTAGTATAGTTTTGTCTTAAT
TTCCCTTATTTCTACTTCTTTGG

Sequence 4025

Table 2

ATTAAACAAATACCAAGGGGAACAGTTNACTTCAATACAAGGTCAAATCAGCAACAAGT
TCTACAATCCAGTGCTGATATCAGGTACAAGCTTCAAGGACAATTTCTTTTGAAGGCTT
ATTCCAGTTTCGTGAGGCTAGCATGAGGTGTGTGCATTTGCCAGGGGCAAATTTCTATTG
TCAATTAACCCATGCAGCAAAATGCTACGCATCTGCTGAGTCCGTTTTANAAGCATTGCG
GGTGGGACGATGGAGGGGGCCCCGACTCGTCGTACCTTGCCCGGGGCGGCCGGCTCTAGA
AACTAAGTGGGATCCCCCGGGGCCCTTGCANGAAATTTCCGATATTCAAAGCCTTTATC
GATTACCCGGNTNGAANCTTCNAGGGGGGGGGGCGNCCGGGTACCCCAAGCCTTTTTTGG
TTTC

Sequence 4026

ATACGAGCCGGGAGCCATTAAAGTGTAAGCCTTGGGGGTGCCTAATGAGGTGAGCTNA
CTCACATTAAATTGCGTTTGCCTCACTGGCCCGCTTTTCCAGGTCNNGGAAAACCTGGT
CGTGCCAANTGCCATTAAATGAAATCCGGCCCCAACGCCCGGGGGANAAGGCCGTTTTT
GCCGTAATTTGGGGCCGCTTCTTTCCGNTTTCCTCGCTTCAATTGNACTTNCGCTTGGC
GCCTTCGGGGTCCGTTTCCGGGNNTTGCTGGCGNANCCGGGTATTCAAAGCTTNAANTTT
AAAAAGGGGGGGGTAAANNACNNGGTTANTTCCANNAAAANTNAAGGGGGGANNAACNCC
AGGGAAAAAAAACATTNTNGGANNNAAAAAAGGGCCANNCAAAAAAGGGCCANGGG
AAACCCGT

Sequence 4027

AGCAAGGAGGGCTGGAAGTTGTTAGTCAGAGTGTTGAAGCACCGGTGGCTCAGCATGGCT
ATCTGGTCATGGAAGGTGCTGCCAGTGAGAGGGAGTGCTTTGGCTGTGCTTCTGGGGAC
CTTGAGAGGAGGAGCATAGTTCTTCTGAGACTGGCCCCGTCACTGGGGTTACCTCTGTG
AAACCCATGCNTTCTGCCTTCTCGTTCTCCCAATCAAGACACGGANAGCCGCATNTGCC
TGCTTCCTGCTTGCCTTCCCGCGTACCTCGGGCCGTCTCTAAACTAAGTTGGATCCCCC
NGGCTAGCAGGAAATTTCCGATATTCAAGCTTATCCGNTACCGCCCTAACCTACNAAGGG
GGGGGGGCCCCCNNGGTACCCCAAGCTTTT

Sequence 4028

TCCCCGCGGTGGCGGCCGAGGTACTTTCAATGTTGCCTATAAACAGATTTAGCTGAAGC
TCAGATGGTAAGGTTAAGATGCCTGGGGACTGGGATGGATGGATGGGCAGGAGGGTTGGA
AGAGAAGTAATCCAATTAGCATTGAAAATAAGAGCGCCAATTTGGAATTCGAATGTCTA
TGATCATTTTCTTCCCTAAAACAGGGAAGAAAGTGAATGTGGAATTCGATTTTTCAGC
AATATTNGCANGACCTAAGGCAACAACCATGCCTGGGGCAACTATACTTTCCAAATCC
TGAATATTAAGGTTTTCACATTGGTAAATCATCTTAATATTTTCTGTTTTTTAGA
ATGAAGTTTGTCTTGTGCCCAGGCCTGGANTGCAATGGTGCAATCTTGGGCTCACCT
CAACCTNNTGNCTTCCGGGTCAAGCGATTCTTCTGCCTNNGGCCCTCCCCAAGTANCTG
GGATTACAGGAAACGTGCCCATTCACCCCTNNGGTTAAATTTTG

Sequence 4029

GCTCCACCGCGGTGGCGGCCGNGGTNCGCGGGAGTCCCAACCAGGACACAGCATGGACA
TGAGGGTCCCTGCTCANCTCCTGGGGCTCCTGCTGCTCTNGCTCTTCAGGTTGCCAGGG
GTGACATNCATATGACCCAGTCTCCATCCTCCTGTCTGCCATCTGTAGGAGACANAGTC
ACCATCNCTTGCCAGGCNGAGTCAGGACATCANGTAACTA

Sequence 4030

CCACCGCGGTGGCGGCCGAGGTATCCCAATTCTAAAATAAAGGTTAAAAAGAAAAAGA
TATTTAGCATCACTTGTTTCATCTTACAAGGGCATTGTAAATAATAAAAGATAAAAGT
TAAGAGATAGGAAAAGAAAAAAGGGAAAAAGAAAAAACCCCTATTGGAGTCCTGTTC
TGCCACCCCTGGAGTTACTAAGTAAGCCCAACTTAAGGGTCCCTTGAGCTCCANACTG
TAAAGCCCCCAAGGCAGCATTATCCACACCCACCTTATCAGGATCCTCAAAGCAATTTCT
TTCTTAAANTTTGGGTAAGACCCGGGGNTAAGTNTAATTTCCCAATTTTNTTGCAAAAT
GGGGGGGAAAAACCTTGAAGGACCTNNACGAAAAAGGNNANCTTGGNCCCCGNGGGCC
GGGCCCGGCTTNTTATNNAAAACCTAANGTTGGGGAANTNCCCNCCNNGGGNCTTNTNN

Table 2

AGGGGAAAATTTNCGTANNTATTNCAAANGNCTTTTAATTCGGAATTACCCCCGGTCCGA
ACNCCTNTTTAAGGGGGGGGGGGGGGGCCCCGNGNTTACCCCCANACCTTTTTTTGGTT
Sequence 4031
CCGGGCAGGTACGCGGGGACTTCCGGTTCTCTGTCTGTCAGTCGCGAGCGANCGACCAAGAGGG
TGTTGCACTGCTATAGCCGAGCGAAGCAGATGCCTAAATCAAAGGAACCTTGNCTTCTCAA
GCTCTTNTGGCAGTGATTCTGACAGGGAGGTTGACAAAAAGTTAAAGAGGAAAAAGCAAG
TTGCTCCAGAAAAACCTGTNAAGAAACAAAAGACAGGTTGAGACTTCNAGAGCCCTGTCA
TCTTCTAAACAGAGCAGCNAGCAAGCAGAGATGATAACATGTTTCAAGATTGGGGGAAAA
ATGAGGGTACCCNTCGGGCNCGGCTCTANGAACCTAGNTGGGATCCCCCGGGGCTTGCA
ANGGAATTTGCGATTATCCAAGGCCTTTATCCNGATTACCCGGTCTGACCCTTCAGTAGN
GGGGGGGGGGCCCCCGGGGTACCCCCAAGCCTTTTTTNGG

Sequence 4032

AGGTACCACACACACGGCCTGTGTCTTGTCTACTGGTTCTTGTGTGATAATCACAGGGA
CACCGATCATCCCTTTGTCATGGACCCACAGCTGCAGGTGGATTTCATACCGAGATGA
AGGAAGACTCAGACATCGCCTTCCATTTCCGAGTGTACCTGCCCG

Sequence 4033

TATCAAAGAAGAACATGTGATCATCCAGGCCGAGTTCTATCTGAATCCTGACCAATCAGG
CGAGTTTTATGTTTGACTTTGATGGTGATGAGATTTTCCATGTGGATATGGCAAAGAAGGA
GACGGTCTGGCGGCTTGAAGAATTTGGACGATTTGCCAGCTTTGAGGCTCAAGGTGCATT
GGCCAACATAGCTGTGGACAAAGCCAACCTGGAAATCATGACAAAGCGCTCCAACATAC
CTCCGATCACCAATGTACCTNNGGCCGCTCTTAGAACTAGGTGGGATCCCCCGGGCTGC
ANGGAATTCNGATATCAAGGCTTATCNGATACCGTCCGACCTCCNAAGGGGGGGGGCCCC
CCGGTACCCAGCTTTTTGTTTCCCTTTTAGTGGAGGGGT

Sequence 4034

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGGGCAGGTACTGAAGATTTCTTC
ACTGTGGTAATCTTGCGGGTCTTCTCGTTGGTTTTCTTCTTCAAACCTGGAGAATGTG
AGGGATTGGGCCCTTGGCTGCTCTGACTGCTGGCAAAGGCCTCTTCTTCTCCCGCTGG
AGTCGTGAATATAAGAAATATGACTGTATATCTGGAAGGCTTTATTGCAGTGATGTGGA
ACCAAACCGTAACATCTCAAAGTATGCCTGTAATATTTTACAGCAGCCCCCATAGGCT
GAAGAGCTGCCTNTGCATCTAAGGATCANGGCATTCTGTGTTGATGGCAGAANTCCAAG
TCANAATGCAGCACAAATCCC

Sequence 4035

ACGCGGGGACTGCGACTCGAGACAGCGGCCCGGCAGGACAGCTCCAGAATGAAAATGCGG
TTCTTGGGGTTGGTGGTCTGTTTGGTTCTCTGGCCCCCTGCATTCTGAGGGGTCTGGAGGG
AACTGACAGCTGTGGATCCTGAAACAAACATGAATGTGAGTGAAATTATCTCTTACTGG
GGATTCCCTAGTGAGGAATACCTAGTTGAGACAGAAGATGGATATATTCTGTGCCTTAAC
CGAATTCCTCATGGGAGGAAGAACCATTCTGACAAAGGTCCCAAACCAAGTTGTCTTCCTG
CAACATGGCTTGCTGGCAGATTCTAGTAAGTGGATCACAAACCTTGCCAACAGCAGCCTG
GGCTTCATTCTTGCTGATGCTTGGTTTTGACGTGTGGATGGGCAACAGCAGAGGAAATAC
CTGGTCTCGGAAACATAAGACACTCTCAGTTTCTCAGGATGAATTCTGGGCTTTTCAAGT
TATGATGAGATGGCAAAAATATTGACCTACCCAGCTTCCCATTAACCTCAATTTCTTGGA
AATAAAAAACCTGGCCNAAAGAAACNAAAGTGTTATTTATTGGTGGGGNTCAATTTTTTC
AAGGGGCACCCANCTTNTNAGGGTTTTTAATNAGCCATTTTTTACAAGAATCCCCCTGN
GCCTTGGNCTTAAAAAGGGATTAAAAAATGGTTTTTTTGG

Sequence 4036

AGGTACACCAGATTCCAGTCCCGAAATAAGCCTGCTGTGGGGGTGGTGGCGCTTGAGGC
TACAAGTCCAAGTATCTTCAGCTCAAGAAGAAGTTAGAAGATGAGTTCCC

Sequence 4037

ATAAGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACTTGGCCTCGCTGATCCGTT

Table 2

CCGTGGTCGCCCTGCANANCCTCATCAANAANAAAATTGCCNNCCGGGATGCAGAGAAGA
AAGAAGGGCAGGAGAAAAGAAGAGAGCAAAAAGGATAGGAAAGAGGACAAGGAGAAAGAT
NAAGATAAGGAAAAGAGTGATGTAAAAAANAAAANANATAAAGTACCTGCC
CG

Sequence 4038

CCGGGCAGGTACTGCTCCACTGTTGATGGCATCTACNTAANANCACCACCAAAAAANNNNN
AANCNCTTTCCAGTGACAATGATTCCCTCTCTCAGGGTCTTGGTCTTTGCATGGGTGAAA
GATATAAGNAACAGAAGTTGCTCTGATTGCATAAAGGGAATGCCCTTTTCCCAAGAATT
TTTCTTTCTTGGCCACTTTCCGTCCCATATTGAATTTTAAATATTTGCNTTTGGTCCAT
TTTTGTTAGGGCCCCCGGTCCAAAAAGACCAAAANCCACCTTTCCNGNTTTTCCGGGAA
AGNAAAATGGCCCCCTGGATTANCCACCTCTTNCCTTAAGGGCCATTGGTTTTGNAAANTT
TTTTGGAANNTTTTTGGGGGAATTNNNTTGGNCCTTGGGAAANTCNAGCTTTNCAAAN
GGCCATTTTNTTNCCAAGGTTNCCCCNTTNGGGGCCCNCTTTTTTANAAANNTNANNGG
GGAATTCCCCCCCCNGGCCTTTGNNAAGNGAAANTTTCCCAAATTTTCNNAACCCCTTA
TATNCGATATACCCCNNGCCCAANCNNTTCAAAGGGGGG

Sequence 4039

AAAGGAAAAGGCTTACCAGGCTGCTATGGTCAACTCTTCAGAAATTTTCAGAGCAATCTA
AAAGCGCCAAAATTCNCTATGTTTACAGTGATACTATTAAGAAAATGAATGTGATTCTGC
TCTGTCTTTTAAAGTATGATCAAATAAAAAATTTGTACCT

Sequence 4040

CCGGCAGGTNCGCGGGCGAACAATGACTAATCNAGCTGACGCTGNNGNACAAATGAAAAC
CATACACNTTCNCTAAAGGACGAACCTGATCTCTTATACTAGGTATCCTTAATCATTTTT
TATTGCCACAATAACCTNCTNGGACTCCTGCCTCACTCATTTACACCAACCNCCTCACT
ATCTATAAACCTAGCCATGGCCATNCCCTTATGAGCGGGCGCAGATGATTATAAGGCTTT
CGCNTCTACTGAATTTAAAAAATTGCCCTTAGGCCCACTTTCTTTTAACCCAAACAAAN
GGGCACAACCTTACCACCCCNCTTATNTCCCCATTACCTTAAGGNTAATTTAATT
CGGAAAAACCCANTCCAGNCCCTAACCTTCAATTTTCAAAACCCAAAATTAAGCCCTTG
GGNCCCGGTTANCCCTTCTNNGNCCCGGNTTCTTANGAAANCTTAAGGTTGGGNATTC
CCCCCCCCGNGGGGCTTNNNNNAGGGGAAANATTNCGGATNAATNCNAAANGNCTTTTATT
NCGGATTACCCCGGTCCNGANNCTTTTNTANNGGGGGG

Sequence 4041

CCTTCCACCCGNCGGGGTTGNGNCCGGGNCCTCGAAGNGGTTACCGCCCGGGGGGGGGA
AAGGGGGTTCGGTTGGAAAAAAGGGGTCTTTGGGGTGGAAAGGTNGCCC
CGCCCCANTTTCAATCCTGGTCCCTTCAATTTCTTCTTGGCGCCCTTTTCGGCAAGAA
GCTTTTCCCAAGCCAAGCCGGGTATTGTTTTGGGGCCCAAGAAGCATTCCCAAGNAGGGT
TTCAACAAACCCNTCTGTTGGGTCCCCGTTAGGGGAAGCCACNTTATTGAAGGGGAGGG
GGCCCCCTTGGGGGAAAGGAAATTTTGGCCANTTTTCAAGTTGGGAAAAAACAAGTT
GGGTCCGGTTACCTTAAGCCTTAAAGGAATGGTGGTTTTNGTTAACCCTTGCCCCGGGG
GCCGGGCCCCGCTTCTAAGAACTTAAGTNGGGGATTCCCCCCCCGGGGGCTTGCAAGGG
AAATTTCCGAATTATCCAAAGGCCTTTATCCGAATTAACCCGGTCCGAACCCCTCCGNA
AGGGGGGGGGGGCCCCCGGGGTACCCCCCAAGCNTTTTTGGTTTNCCTTTTTTAA
GGTTGGAGGGGGTTTNAATTTNGGCCGCCCGCTTTTGGGCCGGTTAAATCCAATTGG
GGTNCAATTAAGCCNTGGTTTTTCCCTTGGTGGTTGGAAAAATTTGGTTTTAATCCCC
GCTTCCAACCAATTTCCACCAACCAAAACCANTTACCNNAAAGNCCCCGGGGGGAAGGC
CATTAATAAGGTGGTTAAAAAAGGCCCTTGGGGGGGGT

Sequence 4042

CCGGGCAGGTACCATGACGAAGAAAAGGAATAGGTTGTTGTAAATAAATGTTAAAGAT
AAGTAACTATTACCATTTCTCCAACCACTATACTTGACTTTGAGTGTTTGCTCCAGAGT
TGAGGGGA

Table 2

Sequence 4043

CATAAAGTGTAAGCCTTGGGGGTGCCTAATTGAGGTGAGCCTAACTCACATTTAATTGC
CGTTGCGCTCAACTGCCNGCTTTTTNNCAGGTCCGGGGNAAAACCTTGTTCCGTGCCCA
AGCTGGCATTATAAATNGAAATTCNNGGGCCCAACCNCCGCCGNGGGAAGNAGGGCCGGG
TTTTNGCCGTNATTTNGGGGCCGCTTCTTTTCCCGCTTTTACCTTCGGCNTTCAACTT
GGACCTNCNGCTTNCCGGCTTCCNNGGTCTGTTTCNNGNGGCTTGGCCGGCINNNAAGGCC
GGGTAATTNAAGCCTNNAACCTCNAAAAGGGGNCNGGTTNAANTACCGGGTTTATTTCCA
CNAAGAAANTNCANGGGGGGATTTACCCCAAGGAAAANGAAACATTGTTGANTCCAAAAA
GGGCCCAACCCAAAAANGGGCCAGTGNAAACCCNGTA

Sequence 4044

CCGGNCAGGTACCTTCCCCGAGATGGTGGATAAACTTATNTTACTGGNNACGCCGNNNTT
ANTANTGGAATCAGATGAAATGGAGAAGCTTGTNACCTACAAGCGGAGAGCCATAGAGCA
CGTGCTGCAGGTAGAGGCCTCCAGGAGCCCTCGCACCGTNTTCAGCCTGAAGCAGCTGC
TGCAGAGGTTACTTGAANAGCAATANCCACTTGANTGAGGAGTGCGGGGAAGCTTCTCCT
GCAAAA

Sequence 4045

AGGTACGCGGGTGAAGGATTATGTGCTGGCCGTGGAGGCGTGTATNGNNGGNTATCAAG
AANAANNNAATCTTTANCCCCAGCTGCTCAGCGGCAT

Sequence 4046

GCNGCTCCACCGCGGTGGCNGNCGATGTACCTGATTTNATTNGCNGTTTTTCATCCTAANN
CCTGGGNAATGGNACAAAAAANNAANNNTTTTTTGGCCAGGAATCGCTTAATCCTGA
AAGTCTTGTGAGAAGACATGGCAGCANCNGAGTCAAGAACACACCACNATGGCGGANAA
AGGAAGAGCCCCGCGTACCTGCCCCN

Sequence 4047

GACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTAAATTTAGT
GGTTGCTGGAGCACCTAAAAGTCAGATTGTCATGTCGGAAGCCTCTGCAGAGAACATTTT
ACAGCAGGACTTTTGCCATGCTATCAAAGTGGGAGTGAAATATACCCAACAAATAATTCA
GGGCATTAGCAGTTGGTAAAAGAACTGGTGTACCAAGAGGACACCTCAGAAGTTATT
TACCCCTTCGCCAGAGATTGTGAAATATACTCATAAACTTGCTATGGAGAGACTCTATGC
AGTTTTTACAGATTACGAGCATGACAAAGTTTCCAGAGATGAAGCTGTTAACAAAATAAG
ATTAGATACGGAGGAACAACATAAAGAAAAATTTCCAGAAGCCGATCCATATGAAATAAT
AGAATCCTTCAATGTTGCTGCAAAGGAAGTTTTTAGAAGTATTGTTTTGAATGAATACAA
AAGGTGCGATGGTCGGGATTGACTTCACTTAGGAATGTAAGTTGTGAGGTAGATATGTT
TAAAACCCCTTCATGGATCAGCATTATTTCAAAGAGGACAAACACAGGGTGCTTTGTACCT
GCCCCGAGC

Sequence 4048

CCGGGCAGGTACAAGCAGCTCTTCTTAGGGGGTGTGGATCGGCATAAGCAGTTCTGGCGC
TACTTTGCTGGTAACCTGGCGTCCGGTGGGGCCGCTGGGGCCACCTCCCTTTGCTTTGTC
TACCCGCTGGACTTTGCTAGGACCAGGTTGGCTGCTGATGTGGGCAAGGGCGCCGCCAG
CGTGAGTTCCATGGTCTGGGCGACTGTATCATCAAGATCTTCAAGTCTGATGGCCTGAGG
GGGCTCTACCAGGGTTTCAACCGTCTCTGTCCAAGGCATCATTATCTATAGNAGCTGCCT
ACTTCGGAGTCTATGATACTTGCCAAGGGGGATGCCTGCCTTGACCCCAAGGAACCGTT
GCACATTTTTTGTGAGCTGGGATTGATTGCCCCAGAAAGTGGTGACCGGCATGTCGCAAN
GGCCTGGTNTCCCTACCCCTTTTGACACTTGNNTCGTCTGTANAAANTGGATTGATNCAA
GTTCCCGGGCCGCTCTAANAACCTTAGTGGGGAATCCC

Sequence 4049

AGGTACATTATCCCTGACAACCACCAGAACATAGTGGCAGCTTTCAGGGGGGTGTCATG
TCATGGGAGATTAAGGCAATTGAATACCTTACTGATGACCGCTGCAGAGATGGTGGGTG
TCTCTGGGCTCTGGCCTACACTGGGCTCTTATAATCATAGGTAGCATAGCAGGAATATTA

Table 2

G TAGTAGGTTGTTGCTCTCTTTATTGTTGCTGTGGCCTATGGGTCCAGGGTGCTCCCCCTA
TGTGCACGAGTTCCCATTAAGAGGACCCCTTGGCCTAGGGGGCGGAGTGTAAGGAACAT
GGCTGTGTTGCTGCCAGGCAGGCATAGGCCGAGGTAAAAATCCTGCATGACACAGTGGGA
TTAGAGCACACGCGCGCAATCCTGTGCCTGATATAATCACAGCTAGGTAGACATAACACA
GAGAAGCTCATCATTTGGCTCTCAGCCACTATCATTTGTGAGGTGTACCTGCCCCGGGCGG
CCGCTCTAGAACTTAGTGGATCCCCCCCCGGGCTGNAAGGAATTCGATNTCAAAGCTTATT
TGATNCCGTCCACCTCNAAGGGGGGGCCCCNGTACCCAACTTTT

Sequence 4050

CGAGGTACGCGGGGGGAGCCGGAGCCGCGGAACGAGCCACAGAGAAAAAGGTTATTGGTT
GGCAGTTCANCCAATGAGCGGGCCTGTTACTAGTTTGCGGCATCCTGTGGTATAGGGGAA
GCGCTCCGGGTCTGGAATCCCTACGCGTCCCTTTGGGTTAGCACGATGAGCTCAATCGG
CACTGGGTATGACCTGTCAGCCTCTACATTCTCTCTGACGGAAGAGTTTTCAAGTTGA
ATATTGCTATGAAGGCTGTGGAAATAGTAATACCTGCCCGGGCCGGC

Sequence 4051

AGGTACTTCTCAGCCAGTGTGCAGGCATCCTCGAACAGGACGTGCCGCTTTTCCAGAGG
TCACATTTATTTCCAATCAGCATAATGACCACATTTGCAGCTCCATATTTCTCTATCTCA
TGAATCCAGTGAGGGATGGA CTGCAACGTGGACCGCCGGGTGAGGT CATAGGCGATGATG
GCTGCGTGGGCACTGCGGTAGTAGCTTTGGGTGATGGTGC GGAAGCGCTCCTGGCCAGCT
GTGTCCACACCTGCATCTTCACTTTTTTGGCGTCAATATCAAGGGAACGCACGGTAAAG
TCCACTCCAATCGTGTCTGCTGTGTCTCAAGTGTAGACTCCAGACTTGAAATGCTGCAC
CACACACGTTTTCCCCACATTGGAATCCCCAATGAGGATAATCTTGAACAAATAGTCAAA
GTTTCTCATCTGCTGCCCTGGCTGAGCTGAGAGTGCATGGTTCTTGCCACCTAGAACA
GAACTCTGCTGGNCGGCAAGGTAATGTTTTTCGCTTTTTCTTCTTGGGGTTTGCTTTTT

Sequence 4052

CCGGGCAGGTACTTTGTGGATAAGAAAAATGGAGGAACACATCTGATGGAGAGTGGGCATT
TGACAACAATGGAACAGGTAACCAGCATGTA AAATCAAAATATAAGTGTCTTTTAAGAG
CTGAAAGCTGCTGCTGGTCATTCAATATGTGT CAGACATTAATCAGGATGCTGGACCT
TCAAAATAACTGAAAAAAGAACCAAGAAAAGGCGTTTTTGTTTTCAACAACTTTACTAA
ATAACCTGGAAAGGCAATGAACCGATCTGACAATTTAAGCTCTAATTGATTTAAAGCCT
CAGCCTAGGAAAGAAAAGTGAGGCATTGACATTATACTGTCAAACGGGAGGGTTGAAGGG
AGGCCAGATTTCTGGGAAATGCCAATGGATCCCACCACCATTTGCTTTCAAGGGAGGAA
ACCTGCCAGACATATTTTCAAGGTCTTGCTAAAGTAAACAAC TTGTTATTTTGTTAAT
CAAATACCATTTGGGGAAGTCTNGCCTTTGTTAGCCTAAAGGNTCACTGTGGACCACC
AGGAACCAACCAGGATGGAAAAAGGGAAAAAGCCCCTGGAACANGCAAGGAAAAAATTA
CATNCCCCATTCTTCAAAAAAGAATTTTNAAGTTGAACCCAGNTTTAAAAAAAAGGAAA
AAAAA

Sequence 4053

GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTTGAATTTGAAGACAACATCGGCA
AGCATCGGCTTATTAAGGAAAACTTGAGGGAAGTGTTATAAAACCACAAAGGTTTTCTG
GCTTGATAGGTTTTGCAATTCCTTAGGCAATTAATCTTTCCTGGTGTTTTAAATGCAT
TTAACTTTCTCGATTACATTTGAAACATCCCCAGAATCTTCAACTTCTTCTGATATCT
TCTTCCAATCTTCCCCTGAAAAGCACCTGAATAATGAGGCGAAGGATGTCTGATAAA
CAAGAACAGAAGAGGGCGTCTTTAACAACGACTCGTAATGGTGGGTTGCCTGAAGATTCA
TGGCTAGCACCTGGAAATGCAGTATCTCTGTTTATAGCAAAAAGATCCTGGGTAGTTCGG
ATGATACTGGAATCCTGAATGTCACTGGGACTCTTCAATTGAAAAGCAGCATGAAAACA
TGGCTTACAGCGCAGAGAACGATCTTGTGGGCTCTACAAC TTTCTTTAAATCGGGGTT
ATAAAATCCCACGTCCCACACCACTNGGCAGCAGAACCAAGGTTATTTTAAGNCAG
ANGTTATTAATGNGGACCGCTTTCAGCCCTTTTAAAGACAAGGGCATTTTTTTCTTGGG
TTGGTTCAAAGTTTGAGGGGGGGNCTAAATCCCATTGAAAAGGGAGGNTGGCNTCAA

Table 2

TTNTTTTCTTTTTTTTTTA

Sequence 4054

ATAGGGCGAATTGGAGCTCCACNCGCGGTGGCGGCCCGCCGGGCAGGTACGATGTGCTGA
TTAGTGTTGCTTTGTTGGCACTGACAGTCTTGTCATGGTCATATGCCAGTGTTCCTT
TAGCTTTTCTTTGAATAAAACAGATTTAAATGCATTTAGACAATACGTATTTGTAAGCTG
TTTACATACACTAAATTTAAGAGATTCAATATTAGAGTTTCTTTGTTTCCCCGCGTACCT
CGGCCCGCTCTAGGAATA

Sequence 4055

AACCCTGCCCTTCTTTGTTGACTGAGGAAAGCTCGCTCCCTGCCAGGTTTTTCATTGTT
GATCGAAATTAACACCAGGTGGTGAATAGAGCCCCTCCTAAGGTTGCTCAGGATAAATCA
TTTATTAATAGGTCTGCTTATCAGGAGGGGCCGTGAAGGCTCCCAAAGGAAATGCTGG
CACCTGGGCCCAGAAGCCAGGGCCTCTAACTCCTGGGGTTGATTTCTTCAGTGAAAGTTG
CACCTACAAAGGGAATATGGCCAAAGCGGCACTCAACTGAAGGCTGATATCAGGCGATT
AGACAGCCATGCATTCTGCGTTTGTCTGGAATGGATTGTAGAGAGATGGACTTATATGAG
GACTACCACTCCCCGT

Sequence 4056

CCGGGCAGGTACCTACGCTGTTGTTATTCATTTCTGCTTTTCACAGAAAACAATTTTGT
TGCATGGAAGATCGGTGAGTTAAAAAAGACCTGCCCTGGGTGTCAAGCACAGTAGTTAC
ACCGCTGGTTCTGCTCCCTCTGCTTGGGATACATGGGCAGGGTGCCCTGGTGGTAGGGCC
TTGGTCACCAGCAAAGTCAGTTCCCATGGGATCCTCTTTCTGAGCTGATGCCCACTCCCC
TGAAGAAGGGGCTNCTATTACGGCCTNTTGTGCAAGGAGCANAAACCACTTAGGCTGG
CTCAAGTCCGCTGNGTACCGCTGTTTANCAATCCCTGTTTCAAGAATGTGTCCACG
CTTNTNTTTGGGGTATTGACACNANGGCNTGGCAGGGGGGANAACCCANGGGAATGTTCA
CCAGTCCCTTGGGGGGNTTGCCTTCTANCTCAAACNNGNCCCTTCCCTTTTATGCNCTT
NTNTNTATTCTNNATACTATNAATNNTTTTTTNGAAAAATTGNAGNTCTTTTGCNTTTT
NANTNCNTCNNNGGCTNNGNATNNNNNGATTNTATNTTATNTNTGTNGANCTACTTN
GATNTCGNTNCNTNTCNATTTATATTTTCTATNCTANNNNNNTNANCCAACCTNTGAN
ANNTTCATATTGTGNGAGCTTGGGTAACNANAAGGCNNCNTAGCCNCCNNNTNTCTTTA
ANTNTNTATAACTNTNTNTATNCNNNANTAACAGATGNNTTATATNCGTNNTTTNTNTGT
NNNGNTNNTGGTTTCNAATGANNNNCGAGGGTNNNTATAGTANGCATNTTAAATNTNTCT
TCTNTTTNTNNGNNGNNTGAGTNNGTGNGATATNGANNACNNATGATNAGGGATNTATGT
NNNTATNNNNNTGTGANATANTNNNTTTANNAATNTNTTTANNCNCCCCCCCCCCCCCCC
C

Sequence 4057

CGCGGTGGCGGCCGCACAAAACCAATCTACCTGATGAAAACCTCCGTTCCCTTCTCGCCA
GAAACATAAAATGCGATGGAGCTACGGCCACCGCTGCTGAGACAAAATGGCGCCGACAAG
CTGGTTTAGCGCAAGCCCCGCGTACCT

Sequence 4058

AGGTACAAAAATTACGCTGGGCATAGTGGCACATGCCTGTAGTCCCAGCTACTCGGGAGG
CTGATGAACAAGAATCACTTGAACCTGGGAGGAGGAGTTGCAGTGAGCTGAGATCGTGC
CACTGCACTCCAGCCTGAGCGACAGAGCAAGACTGTCTCAAAAAATAAAAAAGAAAAA
ATAATAAAAAGGAAAAACAAAGCCTTTANAAAAACAAAGCCTTTGAAAAAGGATGTAAAT
TGAATATATAGATACAATTATTTTAAAAAGTTTATAGAAAAATATCCTGGATTGTTGA
TGTTGTTTTAATATATTTTAAATCATTTTGTATAATGTCATGTATAANATGTTATAATGA
AAGTAAAAAAAAGGTCTTAGCAGTAGCANGCAGAAAAATGCCAACTCAGTGCCCTT
TAGTTATTTTGATATGTGGGAAGA

Sequence 4059

GGTACTTTTTTTTTTTTTTAAANCCCNNGGAGCTTCAAGAACGANTGATTTAANAACAG
CCCTCCCCTCTTAGCAATGTCCCGGGGTGGCTGGAGCCACGGTCACTTCTTGGTCTGGT

Table 2

CCANAACGTGTCGGTAGCGTTCCACATGCAAGTCATCACTGAGCTCCTGCTCGTACCTGCC
CG

Sequence 4060

CCGGGCAGGTACAGAGTGTGGGAATAGTTTCACGAGTAGTCCGAGTTTGTATACATCA
GAGAATCCACACTGGGGAGAAACCCTATGAGTGTAATGAGTGTGGCAAAGCTTTTGTGG
TAATTCACCCCTACTTCGGCATCAGAAAATCCACACTGGAGAGAAACCCTATGAGTGTA
TGAGTGTGGCAAAGCTTTGGAAGGACTTCCCATCTAAGCCAACATCAGCGTATTCACAC
AGGGGAAAAGCCTTATTCTTGTAAGTATGTGGACAAGCCTTCAATTTTCATACAAAAC
AACTCGGCACCAGAGAATTCACAGTGAGGAGAAACCCTTTGACTGTGTAGATTGTGGAAA
AGCCTTCAGTGCTCAGGAACAATTAAGGAGCATCTGAGAATTCATACTCAGGAGTCTTC
CTATGTATGTGATGAGTGTGGAAAAGCCTTGACTAGCAAAAGAAATCTTCATCAGCATCA
AAGAATCCATACTGGAGAGAAACCCTATGAGTGTAGCAAGTATGAGAAGGCCTTTGGGAC
TCTTCCAGCTAGGTACCTTGAGCATGTCTACTCTGGAGAGAAGCCTGTGCTGGACATT
TGTCGTTTTTGGCCTCCCANAAATTTTTACCCCTT

Sequence 4061

CCGCGGTGGCGGCCGCCGGGCAGGTACCCGCTGCAGGAAGTAGAGCGGTTCTCGCCCC
CTACGGGAGGCAAGACCTTCACCTGCGTATCTTTGACCCAAGCCCGGAGGACATAGCCAG
GGCGGACAACATCTTCACGGCCACTGAACGGAACCGCATCGACTACGTCAGCTCCGCGGT
CCGTATCGACCACGCCCGGACCTTCCGCGGCCAGAGGGACACACAAAGAAAATGAATTT
TTCAAAGTTGGAACATTTTACAGTGGTGGACATGCCAGGTTATGGCTTTAGAGCACC
TGAAGATTTTGTGACATGGTAGAGACCTATCTAAAAGAACGAAGGAACCTGAAGAGAAC
ATTTTATTAGTGGATAGCCGTTGTTGGAATCAAAAAACAGACAATATTGCCATAGAAA
TGTGTTGAAGAATTTGCATTACCTTATGTGATTGTATTAACAAAATTGACAAATCTTTC
CAAGGGGACATTTTTTAAACAAGGGCTTCATATCCAGAAATTTGTTAACCATGAAAA
TCAA

Sequence 4062

CCGGGCAGGTACCAGACATCTCTGCAACACCTTTCTAAGAAAAAATCCCTGATATAACT
TTTGCTTAAATAGAACAAACTGCACATGCATCTTTACTCATTATCACTATACACTTCT
CCTTTCAGCTGCAACAACCCCTCTCAAGACATATCTGGAACCTTGATATTTTAGCATGT
GTGTGTCATTTAATTTCTCTCATCCCACCTTTAATCATAAGGAAAAAACAACAAAA
ACAAAGTTAGATTCAATAAGTATTCGGACCTTTCTGGTTTTTACTGTCTCTCGGCTGTA
GTCTTTCATTCTCACACGCTCCCGGGCGATCTGAAGAAGTTTTTACTTTCGGTTATCTA
GCTTTATGAAGACCAATACACTCATACAGCTAGATAACCAAAGATAACAACCTCGCTTCCC
ACACAGGCCTCTGTCTTCTCTTGCCAGACTCCAGGTCTGATCCTTCTGGCAGTACCT

Sequence 4063

AGNACNNATGTTCATTAGAAACCTGAAGTGTGGCTGCATNTNGCTGCTAATGTGTGAANA
AANACGCCTAACTGAATTTGAACAGCTCACCCTGTGCCTACATTTAAAAATACTTCTCT
CTCTTTTCTAAAAAGCTTTAACTGTAGTGCCTCCTAATAAGCAGTATGTTTGTTCATTG
TGAGATTGCAGTCTGTATTTTGAATGAGTCTAAGAACCACAGGGGATAATACTTGTGCA
GATTTCTGTTCTTTACCCTGGCGTCTNCTTCCAGCAGTATTGGACACCCTAGGTCCTT
TGCTGCAATTNGTACCCTNGCCCGGGGGCGGCCGCTCTTAGAACTAGGTTGGATCCCCC
CGGGGCTGCAAGGGAAATTCNGATATCAAAGGCCTTTATTNGGAGTACCCGGGGCGGACC
TANGNANGGGGGG

Sequence 4064

CCGGGCAGGTACCCCTTTGTCTGCACCAACGTTCCCTTGCTTACCAGGCTCTTAATGCCCA
GCTTAATGCGGCTGTTGTTCTTCTCCACGTGCGTAGCCTGCGGCCGCTCTAAT

Sequence 4065

CCGCGGTGGCGGCCGAGGTACAAATTGAAAGATTGGGTTTTTCTTTAGTTTTCCACATG

Table 2

TATTGTCTCATCTCTGTTCTTGAAACATCCACAATCACATAAACTCCAGTTATAACCATG
GAGTTATGTGACTCATTAAAATTTAGGAAAAGTGTGCTGAGCTGTGGGATCAGGCGTTT
CTCCCTCAGTTCAACAATAATACATAGACTGCTGATCAAGAATAAGGAACCAAATAAG
TCATGCACCGTTCTGTTGACAGAGGAACTCTGTGGCTGTTGAATTTTACTGTAAGTAGTT
ACTCTGTCTTCAGAGTCAACTTAATATACAAGTTATGTCATAATGGATGGAAAGACCTGT
GTTGATGTATCCAGACTCTAGCAAATGAAGATAAAAAACCCGTTATGACTAATCCTTGGG
GAAGAG

Sequence 4066

GGAGCTCCACCCGCGGTGGCGGCCGCCCGGGCATGGTACGTTGACCATCTTTGCAGCAGG
GCTGTTTTGTCTATATGATGAAAACGAGAAACAGCGCCCGACACCTGGCCCTTCGCAGCT
CTCGCCTTTTCGCAGCTCTCGCCTCCCCGCGTACCT

Sequence 4067

GGAGCTCCCCCGCGGTGGCGGCTCGAGGTACGCGGGGGAGGCGAAGAACGCAAAGCTGA
GAACATGGACGTTAATATCGCCCCACTCCGCGCCTGGGACGATTTCTTCCCGGGTCCGA
TCGCTTTGCC

Sequence 4068

AGGTACGCGGGGCCCTTTCCTTTCANCGGANCGCGGAAAGGAAAGGTGGCAGTGCAAANAT
CCAAGAAGAGGAAGTTTGTGCTGATGGCATCTTCAAAGCTGAAGTGAATGAGTTTCTTA
CTCGGGAGCTGGCTGAAGATGGCTACTCTGGAGTTGAGGTGCGAGTTACACCAACCAGGA
ACAGAAATCATTATCTTAGCCACCAGAACACAGAATGTTCTTGGTGAGAAGGGCCGCGCG
GATTCGGGGAAGTGAAGTGTGTAAGTTCANAAAGAGGTTTGGCTTTCAGAGGGGGCCA
GTTGTAANAAGCTTTATGCTGAAAAAGGTGGCCACCTAGGAGGTCTGTNGTGCCATT
GCCCCAAGGCCAGAGTTCTTTCGGGTTACAAAACCTAGGGAGGGGCTTNTGTGCCG
GAAGGGGCCCTGCTATTGGTGGTGCCTGCNGTTTCATCCAATGGGAAAAAGTTGGGGGGG
CNCAAAAAGGCTTGCCGAAGGGTTNGTGGGTGTTCTT

Sequence 4069

NCACCGCGGTGGCGGTGCGAGGTNCGCTGGGGGNCNCGACGGACTGTGTCCGGCGATGGGCA
CGGACTGTCTGTTTGCATNCTGATTGGGAACACTGGGATCATTTTCATCATGCCGACAGT
GGTGGTAATGGATGTATCCCTTCCATGACCCGACCTGTGTCTATTGAGGGGTCCGAGGA
ATACCAGCGTAANGCACCTAACAGCCCATGGTTAAACCGATGCTGTTTTGAGCACATGGC
CACANAATNACAAAGCTTTGAATTTACAGCACTGTGTGGTGTTTTTTCATCANTTTTGGG
GAGTTGATTGGTCCCCCTTACAGAGGANGAATTATAAATTACCCCTTACCAGAGAAAGCC
ACCTAAAGATAAATTTTGNGNATGGATTTTAATGGACNAANAACCCCTGCCTNTGGGAA
GTTCTTGCCAATTTAAGTTTGGGTNGGTNTNTGGCCAAANTAATTCCGGCTTCCANN
CCAAATGGAAAATTGGGGGGTGGGNTTGGCCAAATTTCCCTNTGGCCCCAAGGGGT
TTGGTTCNCCTNNGGGTTGNAACCAAGGAAACCGGGGNCNTTGGNTCCTTTTNGGGCCAN
TTTGGGGATAAGGAAGGGGGNTNCAACTTTGNCNGNACCATTTTCCCCCTTTAAGGCC
CACCTTCNAAAAAATCAAACCNAAAAGGTGGAAGGAAGNCNAACCCAGGGGTTTNT
NCNCACCTTACNCCTTTTTTCC

Sequence 4070

AGGGCGAATTGGACTCCACCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGCGGCTC
CGCNGAAGGGAGGAGTGGCAACATGGCGTCTTCGGGAGCTGGTGACCCTCTGGATTCTAA
GCGTGAGAGGGCCCCGTTGCTCAGCGTATCGACCCGACTCGGGAGAAGCTGACACCCGA
GCAACTGCATTCCATGCGGCAGGCGGAGCTTGCCCAAGTGGCAGAAGGTCCTACCACGGCG
GGCGAACCCGGAACATCGTGACCGGCCCTAGGCATCGGGGCCCTGGTGNTTGGCTATTTAT
GGTTTACACCCTTCTACTCGATTTTCCCAGGGAGCCGTTTCCCTAGNATGAAGCTAAGAA
AGACGAGGCCCAAAGCCTGCCCGAGCCCCGAGCTTCTTGGCAAAGGGGCCGTCAGGGG
TCCTTAAATCTTGGATGGGGTAATTTGGAATTCATTGGTTCCCAACNCTTGCTTGGGAGN
CCCCCTTTCANCATGGGTGGGATTGGAATGGCCCCAATGAACCCCTTGTAGGAAAAAT

Table 2

TGGAATCCCTTGCTTNCAACAAACATTTGGGTTGGGCCCTTTTCTTTAACTTAAACCC
TTTGGGAACCCCGG

Sequence 4071

AGGTACAGCAGCCTGGAGCATGAGAGTGTGGCGGGAGTGGTGGAGAGCCTGAAGATCATC
ACCAAGGCCAAGTCCCTGCGCATTGCCGGGTATGCCTTCAAGCTGGCGCAGGAGAGCGGG
CGCAAGAAA

Sequence 4072

ACGCGGGGCGCTGGGCCTGTCTGTGCCAGTCCTGGGGGCGAGATGGGGGTAGAAATGCATT
TTATTCCTTTAAGTTCACGTAAGATACAAGTTTCAGACAGGGTCTGAAGGACTGGATTGGC
CAAACATCAGACCTGTCTTCCAAGGAGACCAAGTCCTGGCTACATCCCAGCCTGTGGTTA
CAGTGCAGACAGGCCATGTGAGCCACTCGCTGCCAGCAACAGAAGCCGTCTTCCCCCTT
GTAGACTAAGTTGCCCCGTAGGGGAAGTACCTTGCCNCGGGGCGGCCCGCTCTTAGAACT
AGTGGGATCCCCCGGGGCGCTGCAAGGGAAATTTGGGATATCAAAGCCTTTATCCGATACC
CGTTCCGACCCTCGNAGGGGGGGGGGGCCCCCGGNACCCCAAGCCTTTTTTGGTTCCCN
TTTTAGTGAAGGGGGTTTAAATTGGCCGNCGCCCTTTGGGCGGTAAATTCAATTGGGTTT
AATTAAGCCTTGGTTTTTCCCTTGGTGGTGGAAAAANTTGGTTAATCCCCGCTTTCCA
CCAAAATTTTTCCACCAACCAACCATTACCGNAANCCCCGGGGGAAGCCATTAAGGT
TGGTNAAGGCCCTGGGGGGGTNGCCCTTAAATGGAGGTNGAAGCCTTAACCTTCAACA
ATTTAAATTTGGCCGTTTGGCGGCTTCAACTTGNCCCCNCNTTTTTNCAAGTTNCGGGG
GAAAAACCCTGNTCCGTGGCCCANNTTGGCAATTTAATNGAANTTCNGGCCCAACCCCC
Sequence 4073

CCGGGCAGGTACGCGGGGGTGAACCTGGAAGGCTGCCATGGCTAGCCCAGCCGCCTCCTC
GGTGCGACCACCGAGGCCCAAGAAAGAGCCGCGACGCTCGTCATCCCCAAGAATGCGGC
GGAGGAGCAGAAGCTCAAGCTGGAGCGGCTCATGAAGAACCAAGGCAAAGCAGTTCCAAT
TCCAGAGAAAATGAGTGAATGGGGCACCTCGACCTCCCCCAGAAATTTGTCCGAGATGTCA
TGGGTTCAAGTGCTGGGGCCCCGGCCAGTGGGAGAGTTCACGTTGTACCTTNGGCCGNT
TCTAAGAACCTAAGTTGGGATCCCCCCCCGGGNCCTTGCANGGAATTTGGAATATCCAA
AGCCTTTATTCGGATACCCGTCGACCCCTTCNNAGGGGGGGGGGGCCCCCGGGTAACCCC
CAAGCCTTTTTTGGTNTCCCCCTNTTTAAGTNNGGAGGGGGTTTAAATTTGGGCGC

Sequence 4074

TTGGAGCTCCNCCGNGGNGGCGGCCGAGGTACGTTGCGTAATGGCCACGTTGCAGCACAC
GGCGGAAGAAATAAGAGATTAGCTGAAAAAGAAGACTGGATTGTTGACAATGAAGGACT
GACTTCTCTACCATGTCAAGTTTGAACAGTGCATCGTGTGTTCTCTGCAGTCACTGAAGGG
GGTCTCTGGAGTGCAAGCCGGGAGAGGCCAGTGTCTTCCAACAACCTAAAACACAGGAGG
AGGTTTGCCAGCTAAGCATCAATATAATGCAGGTTTTTTATATACTTGTCTGGGAACAGC
TTGAAGCACCAAGCCTGNATGCCAGGATTATTAGGATTACCTACACCATCTTCTTCTGGT
TGGATGTTTCTTCCCCTGGGCCCTGTTTTGGGAAGTTATCNCATGGAAAGACTTTCAGC
CTGGACCCTCAGGAAACAAGNCGCCTTTTTTGGATAAGTCCTTAAGNTAATTTGCCTGGC
TATTCTTAGGAACCGTCACCACCCTTNCCTAAAAATTCGCAANAAACCATTTTTTG

Sequence 4075

GGAGCTCCACCGCGGTGGCTGGCCGAGGTACCTGCAGAAGCCAGGGCAGTCTCCACAGT
CCTGATCTATACGCTTTCCTATCGGGCCTCTGGAGTCCCAGACAGGTTCAAGTGGCAGTGG
CTCAGGCACTGATTTCACTGAAAATCANCAGGGTGGAGGCTGAGGATGTTGGAGTTTA
TTACTGCATGCAACGTATAGAGTTTCCCCACACTTTTGGCCAGGGGACCAANCTGGAGAT
CAAACGAGACTGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTGA
AATCTGGGAACTGCCTCTGTTGGTGTGCCCTGCCTGAATTAACCTTCNTATCCAGAAGAG
GCCCAAAAAGTACCTTGCCNCGGGCGGCCCGCTTCTAGAACTTAGGTGGGATCCCCCGG
GCTTGCAGGGAAATCCGATTATTCAAAGCCTTTAATCCGAATACCCGGTTCGGACNCTN
CNAAGGGGGGGGGGGCNCCTGGGTANCCCCAAGNCTTTTTGTTTCCCCCTTTNANTNGGA

Table 2

GGGGGTTTAAATTTGGCCGCCGCCNTTGGGCCGGTTAAATTCAATNGGGNCCANTAGGC
CTGGTGTTTCCCTNGTNGNTGGAAAAATTTGGTTTTATCCCGGNTTTNACCAAATT
TCCCAACAACCAAAACCATTACCCGNGGCCCGGGGAANCCATTAAAAAGGTGGTTAAAA
A

Sequence 4076

NCCGGGCAGGTACGCGGGGAGAGATGCANGAGAAAAACAAAAGCCATTTTACAAGACAA
TTTGAAGGATCACATTTTGTTCATGAATATTCAAGAAGACATCCTCAGCTTGCTGTCTCA
GTAATTCTAAGAGTTGCTAAAGGATACCAGGAGTTATTGGAGAAGTGTTCAGACTGAA
AACCTCTTGAATGCCAAGATAAAGGAGAAGAAGATTACAGAAATACATCCAGGAGAGC
CAAGCATNTGGCAAAGCCGAAGCTGCGGCCTTCTTNCANAACTAGGGAGGAATTATTAC
TTTAACAAAAATGCGTTTTNTNCGTTTTGCTTTACACCAANAGNAAAGGCCCCCAGCC
TGACCCTCGTTCGGGAGCTTGATTGGGCCATTCAACCCAGGAAAAAATGGGCAAGCCCAC
CAGGCNAGCNCACNTTGTGTGCCCACTTCAAGTTNAGGGACCAAAACTTATTTGGGCC

Sequence 4077

CCGGGCAGGTACGCGGGTCCGCGCGTGTGATCGTCCGTGCGTCTAGCCTTTGCCACGCA
GCTTTCAGTCATGGCCTCCGGTAACGCGCGCATCGGAAAGCCAGCCCCTGACTTCAAGGC
CACAGCGGTGGTTGATGGCGCCTTCAAAGAGGTGAAGCTGTCGGACTACAAAGGGAAGTA
CCTN

Sequence 4078

ACGCGGGGGCACTTCCTGAAGCTGAAGGTCAGCATAGACAAAGGGCCTCAGAATCGCGCA
GGCGCAATTGTGCCCTGGTTCCGAAGATGTCGTTCCCAAAGTATAAGCCGTCGAGCCTG
CGCACTCTGCCTGAGACCCTCGACCCAGCCGAATACAACATATCTCCGAAACCCGGCGG
GCGCAAGCCGAGCGGTTGGCCATAAGAGCCCAGCTGAAACGAGAGT

Sequence 4079

CCNGGCAGGTACCANCNCATCATCCCCTGGAGCGGGCAGGTGTTCCCGGATCATGTCCGGC
AGTCACAAAGCCCTTGCTGTAGGCCCAATCTTTGGGGGATGATCCAGAGTGAACCAGAG
CTTAAAGCGATTGGGATAGCGGGCCTGCAGTTCCTCTAAGTCTCCCGCAAGATGATATC
CTTTCTGTCTGGTTGGCAAAAAGCAGAAAGCACTGGGTTGGATCTTCAGGGACTTTCAG
GATGGCCCCGGATCAGCTGTAGCATTGGGGGGTGATTCTGTCCCGCCCGGCAATCATT
CCCAGTTTCTTCGCCCCACTCCGGNGGTTCTTGTTGGAAGAATTTCTTTGTTGGGGCCT
GAATGTTAAAAAATGGCCCCCTTTTCNCAAGTGTNAAGGTGANGCAAACCCCCCGCTTGG
CCCCCCCCGAAANACTTNCANCACCCGCCGTTACCTAGGGNCGGNTCTTAAGAAACCTAA
GTGGGATTCCCCCGGGGCCTGNCAGGGGAAAATTTCCGATTNTCAAAGCCTTTAATCG
NATTACCCCGTTCCGNACCCTTCGAAANGGGGGG

Sequence 4080

GAAACCCTGTTCCGTGCCAGCTGCATTAAATGGAATCGGCCCAACGCCCGGGNGAGAGG
GCGGGTTTGGCGGTATTTGGGCCGCTCTTTCCCGCNTTCCCTCGGCTTCACTTGAAT
TCGCCTGCGNCTCGGGTCCGTTTCGGGCTTGCG

Sequence 4081

CTCCAGGCCGAGAGGATGCTGTTGAGCACATTGCAGCTATGTAATTTTGGTGTATGTA
TGTAATATTTAAGGTTGGAAAAAACTCAAAGCAAAGATATTAACCTTTATTAGAAAA
AAAGACAAAAAAAAGCCAAAGCATGATGCGTCTTGTCAGCCCTTAAGTGGGCTCCACAC
CTGTGCTTGTGCTGTGACCCGCCCANCAAGCAATAAGCTGCGGGAGNGATGGAGCCCGG
NACCACCACACCCGTGGCATTTTGGGAACCCGGAGTCCGGGTAATCTTGTTTGGAGAAAC
CACCCCGGNAGTTGAACCTGGGTGGGGGGCTGTGCTTTCCCAAGTGCANTTGTNCCT
NGGCCGCTTCTAAGAAACTTAGGTGGGATCCCCCGGGGCCTNGCANNGAAATTTCCGN
ATAATTCAAAGCTTTAATTCCGATTACCCCGTTTCAACCCCTTCTNAGGGGGGGGGGGCCC
CCGGGTACCCCCCANNTTTTTTGNTTTCCCTTTAAGTGGAAGGGGTTTAAATTTGC
CGCCCCCTTNGGCCGTTAANNCAATTGGGNTCCATTAAGCCTGNTTTTCCNTGGTGGNGG

Table 2

AAAAAAT

Sequence 4082

CACCGCGGTGGCGGCCGAGGTACGCGGGGACAAGAATTAAGATTATCCCATTTGAGAAAA
GGGACACGCAGTCTGAGGTGCTGAGGATACTTTCAGGAAAGTGGTAAGATCTGATGGAC
AAAGAAAAGGATAGTAAACCAGATGTCCAGACAGAGTGCCATATGGCAGAGAAAAGGTGT
GTCAACTGGAGGCATCAGGAACTCCTATGAGACGGGAGAGTTCCCTAGACCCCTTCACTG
GACTTGCAACAGGGTACCTGCCCGGGCGGCCGCTCTANAACATAAGT

Sequence 4083

AGGTACCTTTTCATCTTCTCTGTGGCCAACATGAGGAACAGCAAGCTGAAGGACATCCGG
AACGCCTGGAANCACAGCCGGATGTTCTTTGGCAAAAAACAAGGTGATGATGGTGGCCTTG
GGTCGGAGCCCATCTGATGAATACAAAGACAACCTGCATCAGGTCAGCAAAAGGTTGAGG
GGTGAGGTGGGTCTCCTGTTACCAACCGCACAAAGGAGGAGGTGAATGAGTGGTTACCG
AAATACACAGAAATGGACTACGCCCGAGCTGGTAAACAAAGCAAGCTTTTCACTGTGA
GCCTGGATCCAGGGCCCCCTGGNAGGCANGTTCCCTACTTCCATGGGAGCCCAAGCTTC
AANGCAGCTGGGGCCCTGCCACCGCCCTTAAGTAGAGGGTGTGGTGGAACCTTGTCTGT
CTGACNTACCGAGGGTGTGCCAAAGGGAAGGGCCGATTGTTGCCTGACCCCCAAAAGCCA
GGCCTTCGCGTTCCCTGAAANCTTTTTTT

Sequence 4084

CCGGGCAGGTACGCGGGGGCTGCTGCTGCTTGTCCCAAGACCAAGTCGTAATAGCAACTT
CCCTTCCTCAGCTGCCTGAACTTTTTTTTTCCCTTGTAGCTGGAGAGAAGTGTACATTT
TGCTCACTCTCAACCTTCCTCGCCACCCCTTCCCGGAGAACCTGTGCGGTGTGTAGAG
GGTGCTGTGAGCCACCTCCAGCCTCGGGTGGCTGCTTAAGTAACTTTCAACTCCTCTCTT
CTTAACACTATGAAGTGTCTCGGGGAAGCGCAGGGGCCAGGCAGCTTGCTTTCCTGCCTC
TTTGCTGGCTCTTTTTGAAAGATTCTGCAACCCGGGGCACAAGCCACCTTTATAACCAAC
CCGNTATGCTGGTGGATAAAAGTGATAAAGATTTTATCCCAAAAACAGGAAAGAGGGA
AGCATTATGGCACCTGGAAAAGAAAATATCCTAATCAACTTAAAGGGGGGGACCTTGTGG
CAGCCCAGCAAGGTATTCTCCTATGTATCAAGAAGGGGAAACAGTTTNCCTGAATGTTCC
ATTATCCCCCCCCAAAATGGGTNNCCCGGAAGCCCTNGTTTAAAGCCCTTTTTTTTACA
AGGGAAAGGCCCAACANTTCCCAATTACCCTTCGGGGCCCGCTTCTTAAGAAACCTAAGG
TGGGGAATCCCCCCCCGGGGGCTTGGAAGGGGAAATTTTGGGAATANTTCAAANGCCTTTA
TCCGGANTACCCCGCTCNGAANCTTCTGAAGGGGGGGGG

Sequence 4085

AGCTAACTCACATTTAATTGCCGTTGCGCTCACTGGCCCGCTTTCAGTCGGGGGAAACCT
GTCGTTGCCAAGCCTGCATTTAATGGAATCGGCGCAACCGCGCCGGGAAGGAGGCGGTN
TTGCCGTTATTGGGCGCTTCTTCCGCTTTCCTCGCTCACTTGACCTTCGCTTGGCGCTTC
GGTCCGTTNCGGGCTGCGGGCGAGCCGTTATTCAAGCTTCACTTCAAAGGGCGGGTAAT
ACCGGTTTATCCCAACCAGAAAATCAAGGGGGGATTAANCGCCAANGAAAAAGNAACCATG
TTGAAGCCAAAAAGGGCCAGGCAAAAAAGGGCCAAGGGAAACCCCTTTTNAAAAAAN
GGGCCCCGCGNTTNGCTTGGGCCGTTTTTTTTCCANTNAGGGGCTTCCGGCCCC

Sequence 4086

GACTCCACCGCGGTGGCGGCCGAGGTACTTCTGGAACAGGACTTCCCTGCCCCAGTGATG
ACAGNTAAAGATGGCAAAAATGAAGAATTCAACATGTATACGCAGTGCACTCTGATGTCT
TCAGATGTTCTCTAAAATTCTGTATTTGGTCAGAGCCGGGAGTGAGATCAGGGTGCTTGC
ACATTTCTGCTCCACTGCTCCCGATTCTGCTTTGCTGCCTTGGAGGGAGAGTAGATTAN
ATCTGGGGGCTGGTGGGGGCCATAGCCTTGGCAGCTTTGCTTGGGCTAACCAAGTACCTG
CCCGNGCCGGC

Sequence 4087

CTCCACCGCGTGGCGGCCCGANGTNGTACCATAACNNTAACTGACAGCAAACCTTAGGGT
TTGCATTTGAGCTACACATTCAGTGAATTTACGGCAAATATTCAACTTGGCTTGATCA

Table 2

ACACTGCTCAAAGAAAAAAATTATACAAAATGTGCAAATTCAGAGGTTGGCAAAATTC
TGAAGCTAGCGAGGTAAACAAAAATATTAACACCATGAAAACCTCAAATAAAATTAACCC
TATCTTTCTCTTCCCCGAAGATTTAGCTGGCAAATTCANAAAAGGTTCTCTTAGAGGTGG
GGTCTGATGNCTGCCAGAAGNCCTTCAGGACCTTCAANCACTTATAATGGAGGATGGGNA
GACCCGTGGGGNTAGGGGGCCCGGAGGTTGCNTTTGCCTAAATNTACTTCGGAGTGCAGG
GTTTTTGGTTCCCAACTTCCGNGCTTTTGAACCCCCGCCGTTACCCCTGCCCCGGGGC
CGGGCCCGNCTTNCCTTAAGGAAACCTAAGTTGGGGATTNCCCCCCCCGGGGGGCCTTGCCN
AGNGGAAAAATTTCCNCATTATTCAAAAAGCCTTNAATTCCTNATTTACCCCGTNCNNNACC
CCTCATAAGGGGGGGGGGGGGGGGGGGGGGCGGNTANCCCCCAANCTTTTTTTTGATT

Sequence 4088

ACACATCTGTGAGCCTTTCGGTGAGCAGGTGAGGCAATTCCTCTTCANCAACACACTCCT
CTGGAATCTTCAGCATGATGAAGAATGTTTTGTTGATGATAATTCAAGTATTTTCAATTT
CATCTTCATCAACATAAGTTACTGCAGCAAGACATAAGCCTATGATGATCACTGTAATGA
CACCTAGGAAAAATGGAGGTGATGATCATCCACAGTTTGCATCTTCCAACCACTTTCTT
ATTACAGGAAGCTCCAGGGGCCTTTCCTTTGTTAGCCTTCGGCCGCTCTA

Sequence 4089

TCCACCGCGGNGGCGGCCGNCCGGGCAGGTNCNCGGGGTNACTGNNTATCCNCANGTCA
GANTAGCCNGATCTCATGAGGAGCCTGGCTAAGCAAAACCCTGCAGNACGGCNTGCCTAA
TTTACAGCAACCATTGAGGAAAGGCCACTTAAGGATGCAGCTAAGAAGGAGCCATCTGCA
ATCCAGGAAGAAATTCCTTGCCAGGAACCAATTGGTTGNCACCTTCATCTAGGACTTCT
AGCCTCGAGAACTTACAAATGGGGGATGATCATCAGTCAAGGATAGTNTGGAGCAATTG
AGATGTTCACTTTACATGGGGAGTTATCCATTGATGACGNATGGAAATGCCTGGATTAN
GAAAACAGAGTCTTGGATCAGATTGAATTCCTAGACACCAATACAGTGNGGGGAATAC
ACCAACCTACTAGCCTATGTGAAACACCTGNAAAAGGCCAGAATGAAGGAAGCCCTGAAA
GAGCTTAAAAAGGAAGCTGGAACCTTAATGCAGGGAAGAATGGAACAACCA

Sequence 4090

TCCACCGCGGTGGCGGCCGNCCGGGCAGGTACCACGATGTATAGAGCAACACTGGGGTAA
GGTCACTGTGGGATGGTTGCCTGCTGAGACCTGTGCAAACGTAACACATGCCACCATGCC
AAGGATGTGGCGGAACAAGCAGCCCTACCAAGGCTGGGCCCCCATGGACTTTGTGCCTGC
TGGGAGATTTATAGGTCTGTGGGGACATAGGATGGCCATATCTTGCCAGCCAACTAGACT
GGACATTGTACCTCGGCCGCTCTAGAACTAAGTGGATCCCCGGGCTGCAGGGAATTCTGA
TATNAAAGCTTANCCGATACCGTTTCGACCNNGAG

Sequence 4091

CCACCGCGGTGGCGGCCGCCGCGGNCAGGTACNTATTTTAATTACAAGGTGTCAACATACA
NGATTAGCATAAGCTTCAACTGTCATAAGAAACATGTTCCATCAAATTCAGAAACAGCAC
GGTATCAGTGAAACTGGAGCAAGCATTTTGAAGACTTCAACGTATTGGATGGAATTTTC
AAAAATTTACCATATGATTTCTTATCTTNCCTTCAGGAAAAATCCTCTGGGATGTAATTT
CATATATCCAAACATTTACCGGTCCCTCACAGCATACCAGGTAGTCTTTCACGTTTTACA
AGGATNATATCCAGCAAAAANAAAAGGCCGTANATATATAAGAAGCTGGCGATGCAAACC
AGNCCGTGCGGATCGGNCTCCCGCCCGGATCAGGGTTTATCNATCNGGGCCGGAGCCAG
TAGCCCAAGAAGCCCCTGTAAGTAGGNAGCCCGCGGGTTCGGNTCCAAGCTTTGGGGCC
GGGGGGCCAGGCTNCTGGGCCCTTATNCCGAACAGGAAAAACCCGTNAAGGGGGTTTT
CTTNGNNTTTCCCGNCCGNNGCCGAATCCATGGGGTGAACCCGCCGNGTTTCCCACCTT
TNGAAGGGCCCTGGGGTCCTTCANNGACCCACNNANACCTTACNATNGGGGAAGAACC
CCCGGACGGACCCACCTTNCNCCGNGGNGCCCTTAAAGCGGGGTGCANGCTTTTTTCTT
CCTTCACTTCCATTTTGGNGCCCCCGGCGNTNCCCTTCTGGGNCCGGGCTNCTTANAAA
CCTNGTGGGGANTCCCCCCCCGGGCCTTGCCAGGNAANTTCNNATNTATCCAANCTTTTA
TTCGNTNTCCCCGGCCGAACCTTNGANGGGGGG

Sequence 4092

Table 2

GCTCCACCGCGGTGGCNGCGCGAGGTACGCGGNGGAAAACTGTAACCATGATGAAGGCA
 AAGGAAAGAGCANAGAGCTCGGTAGACAGAGGAAGGAGCCTGTCTCAGACAGGCCCAA
 AGTGAGTGTGTGGGAGTTTGTGCTAATGTTCAGTNGGTGGAAGCTCANGGATTTCAC
 TGTATTCTTAAGGNGAAGTCAGAGATTTGAGAGAGGATACCCACTTGAACCATACAGCTG
 CCATTTTGGGCTGCAACANCGAGGCCAGTGTAGAAGGAGANATAAATGAACTGGTGCAT
 TTGGAGTCAGGACAAAAAGGCCATTTTCATTGGCTCTTTCAATCTGGAAAAGATTCTGTA
 AACTTNGGGTAACCATAGCAAGTTCCTNAAATNAAGAATAAAGGCCNGTGGGATNTTAA
 TAANAGGGGCAATANCCAGGGGATTTCAAAGGAANAGAGAAAACTGCAAGGTGCCTTG
 CANCATGAAAAAGCCANGNCCCTGGAAGAAAAAGATTTCTGGCCATGAGCATGNCTTT
 GATGCAAAAAACCCNCCCCGGGAATNGCCCATTTTNTCTTTGTAAAAACAAANNAGG
 GGGCCCTGGCCTTAATANGCCCACTTAAANANCCAGGATGGGATTTTCAACCAGGANG
 CNNGCCTTTAAACCTNATCCCNTGGNNCATGAAACNCNATNGGGGGG

Sequence 4093

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGCTTTGTTGT
 TTGGGCTTTACAGGTTGGTTTTGCTCTCGGCAGTCTCCAGCTATAGAGTCTGAAAA
 GAGGGAGAAGGCATTGGAACTAAGTGTAGCTCTGGATTTTCAGTTTCAGCGGATGTTCTC
 TCCAGCTTTCAACAGACCTTGCACTCACTTTGCTGAATCCCATTTCCAAATGTCGGCCA
 GCGCTCTGCACCTTACTATCTCATGGCTTCTCAGAAATGATTTCTGGAAGTTGTGAAT
 TTCTTGAAAAGTTTAACATTGAAGAGTGAAGAGGAGAAAAACGGAATTTCTTAAATCATGC
 GCAGGGAGAACTCCTTGCTTGCTCTACCAGCCCTGTTCCAGTCACGGGTGATCCCCGT
 GCTTCTCCAGTTGTTGAAGTTCATGAAGAGCATGTGCGGATGGTGTCTGTCTTCACA
 TCGAGGCCTACGTGGAGCACTTCACTCAGGAGCAGCTGAAGAAAGGTGATCTTGCCAC
 AAGGTTTTGCTGGGGCTGCGTGAATACTAAGCGATTCCATTTGTGGGCAANTTACTCTT
 GCATAAGCCCTAGCAGTGCTTNGTCTTTCTGCTTTGGACCAAAAAANGTNGTTGTGGAA
 GGAAGAACCAACCAANGATTTTCAAACGCCCTGGCCCCAAGTTTTA

Sequence 4094

CGCCCGGGCAGGTACGCTGTGAACCTGACGAGTCACATGGGGTTTTCTGGCAAAATCCCT
 CTTGTTTTAGTNGGGTTCTATGTTTATACTTGATTCTGGGATAGATAAGTCTGTCTTCT
 CCACATAATGAAAATAAAAACTTTAATTTTATACCAGNCGCAGTTACTTTAAGCCA
 CTTTAAAAAGGTTAAGGAAGTGTNAAGTACCCTNNGGCCCCGCCGGGCAGGTTNCGACCC
 AAGCCAGGGGAGGANGAGGCACACCGAGAAGGTGACTTCAGACTTCAAGGGAAGCCATT
 CGTNTGTGGTCCCGGCTTTGGACNTTCCAGGGAGNTAAGAAATANCGGTTTTACCANCC
 CATTTCCAAAGGTCCCTTGNAGGAGGNTTNGGNACAAGGGGAAAAANGAAGAATTGCCNC
 CCCAATTTTGGTAAAAACCAAAANGNTGGGTGGAACAACCCAATTTNGTGTCTTTCCNAA
 CCCAAANCAAAAANTTTTGCNATTTTGGGGAGGGCCNAAAACCCCCCTTGNCCACCCCT
 GGGGANGTNGGCTTCCANAAGNTCCTTCCCCTTNGGGGGAGGGAGGGGAAGCNACCCAC
 CCCCCAAGGAANATTTTACCTTGGGGNTTAATNANGNAAATTTTACCCNCCAAACCCNT
 TANCAAAAAACCGGGCCCCANGCCAANGGGTAAATTTTCTTTTGGGNAANNAANNNTG
 GNTTCCCATTTGCCTTGATANCANNANGNTCCTTGGCCACNTTTTNGANTAAACCCCTN
 NNNGTNCCCCGGGGNCCNNGGNNNTTACCCTTTAAGCCCCNCTTCTNTNAAACTNAGG
 TGGGAATCCCCC

Sequence 4095

GGGGGAGGGCCCATGTGCTGAAAATCCGNAGTGCCGCGGAAAGTGAGAGCTGACAAGGA
 AGGTTTCTGAGCCGTTTTTGTGGCAAAGGGATTTCTTACAACCTCCANGCATGCGTCTT
 TCTGCCCTGTGGCCTTGGCATCCAAGGTCACTCTGCCCCCATTACCGCTATGGGATG
 AGCCCCCAGGCTCTGTTGCAGACAAAGAGGAAGAACCCCCCATGGATCANGCCGGCNG
 CCCANTGGTTTGTGGAACCCANCTCTGGATGAAAGACTGGGTATTCTGGTTCTGGTGGG
 GACCACGGTTGGGAAGAATCCTTATTAAGGCCAATGNGATTCCCTTNNAAGGCAANN
 GNNCAAATAGTTGGGTTTTCA

Table 2

Sequence 4096

CTTATTTTAATATCCTTCTTCCNTCCCCACCACATTGGGAAAAGGCTAAAACAATNTGG
ATGGGTTTAATTACAAATTAATACATACTGTCAATTGNGTAAAGTAAATCAACATTGNGGC
AACAAGGGACTATTNTTGGAAAAAGTGAACCCATATTAACAAAATNTGTCATGGAANAA
CCCCACTTAGGGATTCTACTGGCTGCTTGAAAGNACAGTCAATGGAAAGGTCAATGTTTC
CTGCATGTTCTCTGGGGGCTTGTCATGCCCTCCGGAAANAAAGGTTNTGCCCGGGACT
TCAACCCAAGCCCTAGTTAGCTCNAACAGGCCCTTANACCAAAAAAGCCAAGGGGAAN
AGGGCATCCTTTTCAAATAGGGACAAAGGGGTAGAAAGGGGGCAANAATTGAAAAAATA
AAATCCTGCAGCTTTTACTTTAAAAAGCCCCAACGGGGGGAAAAAAGGCCAGG
GAAAGTTTACCTTGGGGAAAGGGGCTTAAAAANAAAAAGNCCGCNAGCNATTTTTTTTT
CAANC GGTTTAAAAAANTNTTAAAAAANTTAAAAAANACNAACCAAAT
TTAAACCTGGGCAAGNANTCNNTTGGGGANGAGGGAANGGAAAAAANGGGAATTNG
AAACTTTTCATTTTGGTTTTTCNAGGGGGANGTTTNGAAACACCGGGTTCTNAANCTT
TAATCCCATTTGTTTTCCNTTTTTGGCANNACNNCCCTTTTNC TTTTAACTTGN
GGNTTTGACCNTTNGGAANACCCTTTTNGNTTTACANCCTTTTGGGNGGAAATTGT
TTTTTTT

Sequence 4097

TTTTTTTTTTTTTTTTTTTTGGGGNCCNTNTTTTTTTTTTTTTTAAAGCCTTCGGNGCT
TTAATCCAGAGGAAAATTACTTATTTAAAAAGCAGNGAAAAACNCCGCATTCTTTGGC
NCAGGATGAANACCAGCTCAGCTNTTCAGTTGTTGATCATTGGCTATTGNTCTCCAAACA
GTAAACAGTNTTTCACACTGAGATTGTCGGCTGCGGGTATATTCCAATTCCCGTCTCC
TCATGAATATGAAGNGAAGGGNTNTGACCCTGGAAGNGGTAGGTAAATTGCTTGGCGATAG
GNGATTGTCTCGCCNCNCAGCTNTAGGCGANGGGCTCANCACCTCGGGGATAGGCGATTGT
CCCATNTAGGTCNCCAAAATGNGTCTGGAATTGGGGGGTCTTNGNCTCACTGACTTNA
GAATGAAGCCCCGGGACACTCGCANNGAGTGTTCANTTNTAAAGGCGGCATGTCTAGA
GGTTTGGTCTTCNGANGTTTCGGAATGGGTTNANAAATTTCTTNTCTTTGGGGGG
GGNTTCGGNGGGCCNCCGCTTGGCTTNCAGGGAGGNGNAAAACCTGGNGGNACCCTTTCC
CGGGNGGNTACCAAGCTTNATTAAGGNCNNGGGGNGGGGCCCCCAAGNAGTGGGGGCC
NGCNCNAATNTTTTTTTGCCAAAGNCGNAAAANNAANNAAAAACCTTCCCGGGGNG
GNGGGAAAGGGGGGCCCAAGCNGGNTGCCCCCGNNTTACCNTTNGNCCCGCGGGN
CCNNNGTNNCTTTTTTTTTT

Sequence 4098

AGGTACAAAGGTGCAATCTCGGCTCACCACAACCTCCGCCTCTTGGGTTCAAGCAATTCT
CCTGCCTCAGCCTCCTGAGCAGCTGGGATTACAGGCATGTGCCACCACGCCTGGCTAACT
TTTCTGTATTTTCAGTAGAGACTGGGTTTCTCCATGTTGGTCAGGCTGGTCTCAAACCTCC
CGACCTCAGGTGATCCGCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCAGGAGCC
ACCACGCCCCGGCCAGGAAGCCATTTTTCATGGGAGGGATATAGGGAGAGGAAGGCATAT
TTACATCCCACTCTGGCACAACTTCANNACCTGCCCGGGCGGCCGCTTCTTAG

Sequence 4099

CGAGGTACGCGGGGTTACGGTCTGAGACATCACNGCCNAGCTGGGCATCGGGGANANNG
CCGANACTGACCCCAAGACCGTGCAGGACCTCACCTCGGTGGTGCAGACACTCCTGCAGC
AGATGCAAGATAAATTTAGACCATGTCTGACCAGATCATTGGGAGAATTGATGATATGA
GTAGTCGCATTGATGATCTGGAAGAATATCGCGGACCTCATGACACAGGCTGGGGTGG
AAGAACTGGAAAGTGAACAAGATACCTGCCACGCAAAAGAGTNGAAGGGTTGCTAATA
ATTTATACTGGNAAATCTGGGCATTTTTTNCAGCCAAGAGGAANATCGGAAATGGCCT
TTTTTGCAGCTAACTACTATGTGTTAGGACAGGNTTTTTAATATTATAAAGGTATTCC
ATTTCTTATCACCTAAGTATTATTAAGTTAGTTTTGTTAGGAGGAGGATTTTCCCCCCC
AAGTTTTTCTTTGGAAACATTGGTAATTCCTTACCATNCTTTGGGAACCTTTGGGTC
CAGTTTGGTGCCTTATTTCAATTTATTTAAAAACCACTTAAAAACCTTTGGGCCGGG

Table 2

GNTTCTTTGGCCATTAAACAATTTGNTCCAGAATTTTTTTTAGGGGNNATTTTCTNGG
GGAAAGGCCAATTTTTTTTTT

Sequence 4100

ACTGCGGGGGGGCCGGGCGAGAGGTGGTTACATTCGTTGAAGGACACCAGCTGCNGAATT
TGCGGCTTTGGCAGATTGAAATCATGGCAGGTCCAGAAAGTGATGCGCAATACCAGTTCA
CTGGTATTAATAAATATTTCAACTCTTATACTCTCACAGGTAGAATGAACTGTGT

Sequence 4101

ANCTCCACCGCGGTGGCGGCCGGGCATGGTGGCGCATGCCTATAATCCCAGCACTTTGGG
AGGCCGAGGCGAGTGGATCACCTGAGGTCAGGAGTTNAAGACCAGCCTGGCCAACACGGT
GAAACCCCATCTCTACTAAAAGT

AAGGGCGGGTNTTNGCCGGTATTTTGGGGGCGCCTTCCTTTNCCGCCTT

Sequence 4102

AGGTACAGGCATCCCTGAGCCTCACTAAGGAGATTCCATTCTCCTGGGTAAATTTACA
GCCACGTCTTCAAAAGTCACTGTGCCCTGAACGGGGAACCTTANC

Sequence 4103

GNGCTCCACCGCGGTGGCGGNCGANGTACGCGGGTGCAAGTATTATTTTGCTTCCTGN
GTTACTGCCATTCTATTTACAGTATATTTGAGTGAATGATTATATTTTAAAAAGTTAC
ATGGGGCTTTTTTGGTTGTCTAACTTACAAACATTCCACTCATTCTGTTTGAAGTGT
GATTATAATTTTTGTGATAATTTCTGGCCTGATTGAAGGAAATTTGAGAGGTCTGCATT
ATATATTTNTAAATACNATTTGGATAGGTNTTTAAATTGCTTTTTTTCATAAGGGNATT
TATAAGTTATTTGGGGTTGTCTGGGGATTTGTGTGAAAAGNAAAATTANAAACCCACCG
CTTGATTTTTACATTTTACCTTTGGTAGTTTATTTTGTGGATGGGCCAAGTTTTNTGN
TTANTTTTTTGGGGGACCTGTNGGGTAGCCTTCTTTTGGGAATTGTTTTTNGGCAAAAA
TTTAAACAAGNCTGGANAANTNCTTGNTGGTCCATNGGNANTTAAAAACCTGGGNCTTNA
TGGTGGGCCCTTTANGGAAAATTAAGGGAAANGAAGGANGAAAAAAAATTGAAAAATNG
GGNTTGGTNTTTACCNTAAATTTTTTAATACCCTCCCCCATTT

Sequence 4104

ATTGTAGTATCATGCAAGATTTATACTGTATTAATGGAGCCTGGAGTAACTCTACATTTA
ATTATTTCCATTATGGGGTAAACAGCACTTGAATTAATACAATTTAGCCGACTGATGCAG
TTTGGTTGTTTGGTTTACAAGATAGATGGGATGGGAGATCGAGAGCGCCTCAGAGGACAA
GGAGAGTTGTAGGGTGATGTTACTGGAGAGAGCCTCAGAGCATTGCCTGCCAAGCCCCGCT
ATGTTGTTTAAGCTTCGGGATTTTTCATATCCTTTCCTGATCCCTCCATCAGAAGCACAC
GTGTAATCACCTGTCGTAGTAGGAAACATGTTTCCCCTCTTCTGTTTTGTCT

Sequence 4105

ACAATTATTGCTGGGAAGGGAAATACTCCAAGATCTCCTCTTGTGCTGTTTTCCCTTTTC
TGATTGTTTACCCAGATTTCCAGAATTAGTCTGTTCCCTTCAGTGTGTGTGACCAGGTAA
ATGCTGCTTTTTCAAGCTAGGTTGAACTCCAATAGATCTACTGTGCAATCATAACTGTG
TGACTTAGCATCATGTTCTGAAATGGTTAAGT

Sequence 4106

ATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACAGCTGCCTCCCGGCAGTCC
AGGAAAACTGCAAAAAATGGGAAGTAAGGTCTGGCAGGCAGACCCGGCATGTAGCCGCT
GGCCATCTTGAATCCTAGGGCATGAAGTTGCCCAAAGTTCAGCACTTGGTTAAGCCTGA
TCCCTCTGGTTTATCACAAAAATAGGATGGGATAAAGAAAGTGGACACTTAAATAAGCT
ATAAATTATATGGTCTTGTCTAGCAGGAGACAACTGCGCAGGTATACTACCAGCGTTTG
GATATTGATATATACATGGCAAATCTGAATATTGTTTTATGAGAAGGCCTGGGCAATGGG
GTTAAACACCCAAACCTTTGAAATCAAGAACANTAGGGTGGCAAATGGCCACTCCTGTA
GTTTTCTTTCTGTAAATGGGGATCTGGGACCGAATGATACCAAACCGTTTTTCTTTTC
TAACCATTTGGGATTTTTTATAAACCTCTGGCCTATGGAATTGGNGTTNGTGTCTNTTGCCT
NNAAAAATNAAGGNCNCNANTTTNANTTATTATAANNAGTTACCCTTGCCCCGG

Table 2

Sequence 4107

AGGTACAGTGTGAGACGTGTGATGCTGGAACACGGGCATATGTCCATAGGTGACGTTAC
TTGCTTAAAATAGCACTCTTCATTGACTTGTCTCTCAAACCTGGCCTTCGCATTCCAGTC
AGCTCTAAAATCGGAGCCCTCCAGGTCACTGCATTTAAGGCTTTCCATTATCTCCAGTT
GAATGCCCCGATTTCAAAAATGTCTTTTTGTAGAAATTTCTCACACCTGGACTCCAAGTC
TAGGCACCATGGTCTGTACATCATTTGCAATCATCCAGGGCTCTTCCCTTGCTCCAA
TAAGGAGACGACATCAGGCTTAGAAATGGAGAGTCTAGTGAGGCCAAGTGACCAAAGTT
CTCCAGAGTCACCTCCCTGTACCTGCCCC

Sequence 4108

GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGAGAGTGTTCAAAGCAGGCCCCG
AGCCGCTGGATACCGCAGCTAGGAATAATGGAATAGGACCGCGGTTCTATTTTGTGGT
TTTCGGAAGTGAAGCCATGATTAAGAGGGA

Sequence 4109

CACTCCCCCTTTACTTACTGAAGCTGTGTCTGCTGGGGTAAATACCCAAGGTTTCATC
ATNTCACACCAAGGAAATCAAGGACATGGACACACAAGAAGTGAGTTTAAAGTGAGGT
TTAATAGGTGAGAGAAAAGAGAAAAGCTNTCTTNTGTCANAGAGGAGCTCCTGAGTGGG
TCTTCCAATTTTATGGNGAAACNCATAGGGTTTTATAGACAAGCTTGANAAGTGNGTCT
GATTTACATAGGGCACAGGAGATTGGTCAGACCAGGTGTGCCNCCTCAACCTAATCTTTT
ATTATGCAATGGGTTCTNTACCTGCCCC

Sequence 4110

CCGGGCAGGTACTCTCCAAGCTGCTCAAAAAGCTCACANNGGGNGNGNGATTAAATTCT
GAGGCTCTTCCACANGAGGTTTAAATTCATCGAACACTTTGGCATAGCATTATGAGGAT
CTGCAGCGGCACAGCACTTCTCTAGAGTGGTTTCATATGTCTTGGCAAGTCTCAGCAGCA
GCACGACAGAGTAATCAGGATGCCCTTCTTGCAATTCATACAAAAACCTAATTAAGATGA
AAATAAAATAGACTTTGTTGGACAAATGAGCCACAAAAAATTATCACAAAGCTAATCTC
AAAAGTAACTCATATTCAAAAAGGTCTTAATTTGACTAAAACCCCATGCCAGTTAAAAG
CTTTAAGTAGGCTTAAGGGACTTTGGGGGCTCCAGGAGTTAAAAGTTTACCCAAGGGCTC
AATTCCTAGCTCTGCTTACTTATTATCCCCCGCGTTACCCTCGGCCGCTCCTAGNACT
AGTGGGATCCCCGGGGCTGCAGGGAATTCGATATCAAGCTTTATCGGATACCCGTCGAC
CCTCGGAGGGGGGGGGGCCCGGTACCCAAGCTTTTNG

Sequence 4111

ACCTTGTCGGTGCCAGCTGCATTAATGGAATCGGCCAACGCCGCGGGGAGAGGCCGGGT
TTGCGTATTG

Sequence 4112

AGCTCCACNCGCGNGGGCGGCNCGCCGGGCAGGTACCCCCTTGACCGGCTGGAGATTGA
NGTTGCGGNANGGGGGAGACTATAAANAATAATNTTTNNTTTTGGAGGATACGGATAT
GAAATCTCTAGAGAACAAAAGTTTGGAAATGACCTTCATCCCTACCATTGAAGATACTGG
AAAAGCTCTTGTTTGTGAGGCTAAGTTACATATTGGATGACATGGAATTCGAACCCAAAC
AAAGGGCAGGAGTACTNTTTTTTTGTTTTTGCAGTTTTTNGNNTTNNAAACNCAGNTTTT
TTTATTTGTAAAAGCCTCTGGCCNATAAAACNTTCTTAGCCGGNGTGCCCAAATGGGN
NCACCTTGCCACACTTCTGTACCCCAANGGTTTGTCCCNTTGGTTAGGCCCNAGCNAA
ACCAAGNAGGTTCTTGGGGCCCNATTTCAAGCCNAGGACCCCATGGGCCCAAGGGGGAAG
GGGTGGCCNCCTTGGGGGGGNTGGGGTTTTCTTGCCCCCTTGGCCTTGGTCTNGGGT
AACCCTCGGGGCCCGGCTTCTTNANAAAACCTATNNGTNGGGNANTCCCCCCCCCG
GGNCCTNGNAAAGNGNAAANTTTCCGANTNNTTCAANAGNCTTTTATTTGGGATACCCCC
GCNCNNAACCTTCCNAGNGGGGGGGGGGCCCGGGG

Sequence 4113

ATTGGACTCCACCGCGGTGGCGGCCGCGGGCAGGTACNCGGGGGCTTCAATATGGCTG
CCCCAGGGAGAGACGAGACTACCATGAATGATCCTATCGCAGACCCTGAGTCCGTCACC

Table 2

CATGGATCGCAGCGCGGAGTTCAGGAAATGGAAGGCGCAATGTTTGAACAAAGCGGACCT
 CAGCCGGAAGGGCAGTGTGACGAGGATGTGGTAGAGCTTGTGCAGTTTCTGAACATGCG
 AGATCAGTTTTTACCACCAAGCTCCTGCGCTGGCCCGCATCCTACTCCTTGACCGGGT
 ATAAATGGTTTTGAGGTTNAAGAAAACANAACTGGTTGCTGGGCTACTGGGTTACACAC
 AAACCTTTGGTGGTAAAAAGATGATGTGATTTGTAGCTTCTTGAAAGGAAAAAGNCAAAAT
 GGGTTGATGCCCACTTTTTTGAAAAATTTNGAAACCCATTTTTGTTTTCTTTCAATTG
 GTGGCCANATNGNTCCGAACCNAAATTTTGCCAAGGGGAATTGCCANCAAGAATTCCTGG
 GCAATTTTCCCAATTGGGGCCAAATTAAGNATTTTCTTGGGNTTTTTCAAGGGGAAACCT
 TTTTNGGCAATTAACCGGNTNGGGGGAAAAAGGAAGGAAGGGAAAAAACCTTNTNTT
 TTGGGNTTGGTTCCTGGGANGTTACCCNTTCNGGGNCCGGCTTAACCACCNCCCTTNA
 CGGGNCCCCCCCCGGGGCAAGGGTTACCNNGGNAACCACCAANCCAAGGGGAAACC
 NGCNAAAGGGGCTTTNTTGCCTGGCANTGAAGCCATGGGGGAAGGAAATTAAGGAATT
 T

Sequence 4114

CCGGGCAGGTACGCGGGGACTTTAGGGAGGGCTGTCCTAAAACCAGAAGCTTGAGCANA
 AAGTGAAACCCTGGTGTCCAGACAAAGATCTTAGTCGGGACTAGCCGGCCAAGGATGAA
 GCCTCACTTCAGAAACACAGTGGAGCGAATGTATCGAGACACATTCTCCTACAACTTTTA
 TAATAGACCCATCCTTTCTCGTCGGAATACCGTCTAGCTGTGCTACGAAGTGAAAAACAA
 GGGTCCCTCAAGGCCCCCTTTGGACGCAAGATCTTTCGAGGCCAGGTGTATTCCGGAAC
 TTAAGTACCTCGGCCGCTCTAGAACTAGTGGGATCCCCCGGGCTTGCAAGGAATTCGA
 TATTCAAAGCTTATCGATTACCGNNCGACCCCTCGAGGGGGGGGGCCCGGTACCCAGCTTT
 TTGTTCCCTTTAGTGAGGGTTAAATTTGGCGCCGCTTTGGGCCGTAAATTCATTGGTCA
 TAAGCTTGTTTTCTGTGTGAAAAATTGTATCCCGCTCACAATTTCCACACAACAATAC
 GAGCCGGGGAGCATTAAGGTGGTAAAGCCCTTGGGGGTGCCCTAAATGGAGTGAAGCC
 TAACCTACATTTAAATTGCGTTTGCCTCACTTGCCCCGCTTTTCCANGTCG

Sequence 4115

ACTNGTGCCTGTATTCTTCTCATTCTCTGGCAGGCTGGGAGTCCAAGGTCAGTCTAGGCA
 NGAGGGCTGCTTGGCCTAAGCAGTCACACAATTTTACCGTCTTGAGCATATCTGACAAG
 ACATACGTGTATCCCAACCCCTCCCAGGCTTCTCAGGGTCCGCTCCAAAGCCTGGGCT
 GTTCTAGGAGCTCTGGTGTGGCAAGTTTTTGTCTCAGGGTGCAGCTGACAGAACAGGATC
 TCATTCACTTCACCCCTCAATTCGCCCCGACATATAGGGAGGGGGGAACACTGCCTTGGA
 GCCCAAGCCAGCACTGGAGTCTTTTAGCCCCAAGTCTCGGCACACCAAGGTTTGAAGAAA
 TAAAAACCACCTTCAGGGAGTTCAAGATGCTTTTAACTTCTGTANGAAAAGATTGCT
 CCACAAAATGCTGGGGGCGGGGACAACCTACCCCGCGTACCTTGCCCGGGCCGGCCCCGCT
 CTAGAACTAAGTNGGATCCCCCGGGCTGCAAGGAAATTCGATATCAAGCTTATCCGATAC
 CCGTCCGACCTCGAAGGGGGGGGGCCCGGTACCCAAGCTTTTTTGTCCCTT

Sequence 4116

CCGGGCAGGTACCAGTCCAATACCATCCTGCGTCACCTGGGCGGNACCCTTGGGCTNTAT
 GGNAAGGACCAGCAGGAGGCAGCCCTGGTGGACATGGTGAATGACGGCGTGGAGGACCTC
 CGCTGCAATACATCTCCCTCATCTACACCAACTATGAGGCGGGCAAGGATGACTATGTG
 AAGGCACTGCCCGGGCAACTGAAGCCTTTTGAAGCCCTGCTGTCCAGAACCAAGGGGAGG
 CAAGNACCTTCATTGTGGGAGACCAGATCTCCTTCGCTGACTACCAACCTGCTGGGACTT
 GCTGCTGATCCATGGAGGTCTAAGCCCTGGCCTGCCTGGATGCCGTTTCCCCCTTGCT
 CTCAAGCATTATTGCCGGGGGACCCCTCAGTGCCCCGGGCCAAGCTTCAAGGGCCTTTCC
 NTGGCCTCCCCTGAAGTACCTCGGCCGCTCTTAGAACTAAGTGGGATCCCCCGGGCTG
 CAGGGAAATTTCCGATATTCAAGCCTTATCGATAACCGGCGACCTTCGAAGGGGGGGGGC
 CCNGTACCCAAGCTTTTGTTT

Sequence 4117

CTCCCCCCCNGTGGCNGNCCGACGTACGCGGAGNAGTGCCCCAGGAGCTATGNCCNGNGG

Table 2

GGGGGNAGNAGGGTGCCNGNAAAANAANTATTTTTTTTTTTTTNTTGTCCGCGGATACA
GAAATCTCTGCANGCAAGTTGCTCCANAGCATATTGCAGGGACAAGCCTTGTAACGAATA
NTTAAATTCACCGGCATCTTGATTCCCTAATCCTTTCCCGAAATTGGCCAANNTGCTG
AAGTGCCCTTGTTATAAAAAATATTNCTANTGGTTACCCTTCCAACCTTTCTTTGGTTC
NTGNCCTAATGTTGGGTNATNCCTTGGAATCCCTAGNCAATTTAAGCCAATTNATTGGG
GGTNACCCTNGNCCCNGGGCCNGGGCCGCTCCTTNGAAAACCTTNGGTNNGGATTCCCC
CCCCCGGGNCTTGCCANNNGGAAATTTCCGGANTAATCAAAAGCCCTTTAATTCN
GGANTTACCCCGGGCCCGAACCCCTCCAGANAGGGGGGNNNGGCCCCCNNG

Sequence 4118

ANCTCCACCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTCCCAATGGGG
GGNGGNNGAGAGAAGCACANNAANATTTTTTTTTTTTTTTTNGAAACCCCAA
NTTGTNTCTNATGGCCTTTCTTCTCCATTGTGATCTCTGGGAACCTTGAGTCTAAATTT
ANGGGCTGAAAGTCTCTGCTAGGAGCTTCCAAAATGCCATTGCTTTGATTNTGGNGA
ACTGANTAGGAGGANAACACCTGGACTACTNTGAGTCCCTGAGTTTCAAATTCCTCCTCA
AACTGGGTTTCTTGGAAGGGNNGGCCTGTACCCTGCCCCGGGGCCGGCCCGTTNTTAN
AAACCTAGGNGGGATCCCCCGGGGCNTGCAAGGGANATTCGATTATTCAAAAGCCTT
ATTCNGATACCGTTGACCTTCANAGNGGGGGGGGGCCCCGGGTNACCCCAAACCTTTTT
GTTTTCCCTTTTTAAGNTGGNAGGGGTNTAAATTTGGCCCCNCTTTGGGGCGATAAA
ATCCAGTGNGGNTCCANTAAGGCCTNGGTTTTCCCTNGNNGGNGGAAAAAT

Sequence 4119

ATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACGGGGGTGGGGTGGTCGTT
CCACCTGTGNTGANNGGGGGGCNNAGCTNTNANAAANAAAAAATCCNGTCTAG
CTGTCACCCAGGCTGGAGTGCAGTGGTGTGATCTTGCTCATCACAACTCCATCTCACG
GGTTCAAGCAATTCTCCTGCCTCTCTTCCCGAGTAACTGGGATTACACGCACGCGCCACT
ACATCCGGCTAATTTTTGTCCTGCCCGGGGGCCGNCCTCTANNAAGTAGTGAATCC
CCCGGGCTGCAGGGAATTCGATATCAAACCTATTGNATTACCCGTNGGACCCTCANNATG
GNGGGGGCCCCGGTTACCCAAGCTTTTT

Sequence 4120

NCACCGCGGTGGCGGCCGCCCGGGCAGGTACCACNATGTATAGAGCAACACTGGGGTAAG
GNCANTGNGGGGATGNATAGANTNNTTATACCTGTGCAAACGTAACACATGCCACCATGC
CAAGGATGTGGCGGAACAAGCAGCCCTACCAAGGCTGGGGCCCCATGGACTTTNGNGCCT
GCTGGGAGTTTATAGGTCTGNGGGGGACATAAGGATGGCCATATCTGCCAGCNAACCTAG
ACTGGACATTGTACCTCGGCCCGCTTTAGAACTNAGNNGGANTCCCCCNGGGGCTT
GGNAANGGAANTTTCNNATTATTCNAAGCCTTTATTCNGGATTACCCGNCNACCCCT
NCGGNNGGGGGGGGGGGCCCCCGGGGTACNCCCCNAGCCTTTTTGNGTTTCCCCCNTT
TAANNNGGAAGNNGGNNTTAAATTTGGCCCGCCCTTTGGGGCGGTAAATTCNANTNGGG
GTNCATTANAGCTTGGTTTCCCCTTGNGTGGNAAAATTGGTTNATTCCCGGTTCAAAA
ATTTTCCCNACANAAANNCATNCCGAAANCCCCGGGGGAAGCCTNTNANAANTNGGTTA
NAANGCCTTNGGGGGGNGGNCCTTAAATTTGGAGGTGGAAGCCTTAAACNTCNACATTT
AAATTTGGCGGTTTGGGGGCTNCACTNGGCCCGCTTTTTCANAAGNGCNGGGGGAAAA
CCNCTGGTCTNNGNCCCAGGCTNGCGANTTTAANATGGAATTCGGGCCCCCA

Sequence 4121

CGAGGTACACTGATCTACAAAAATTTTAAATGAGCCCGGGCGCGGGGACTNANGCCTGT
AATAANAAACTTTNNNNGGCCAAAGCAGGCGGATCATGAGGTCAGGAGATCAAGACCAT
CCTGGCTAACACGGTGAAACCCCGTCTCTACTAAAAATACAAAAATTAGCCGGGTGTGG
TGGCGGGCACCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATGGCGTGAAGCC
GGGAGGTGGAGCTTGCACTGAGCCCCGAGATCACACCACTGCACTCCAGCCTGGGCAACAA
AGCCAAGACTCTTCAAAAAAGAAAAAATTTTTTTTTTAAATTTGAAGCTGGGGGTGT
TACCTGCCCGGGGGCGGCCCGCTCTAGAACTAGTTGGGATCCCCCNGGGCTTCAAGGA

Table 2

ATTCGATATTCAAAGCTTTATTCGGATACCCGTNCGAACNCTCGTAAGGGGGGGGGCCCC
CG

Sequence 4122

GCTCCACCGCGGTGGNTGCCGAGGTACGNNGGGGCTGNNTAAAGCCGTGTCTCATCTACC
TGCTGNCTCNTTNGTGTCTTCCAGCTCCCTGCCCCCATCAACCCACTCTCCTCAGACC
TCAGCTGGGGCTTGAACCTGATAATTGGTGTAGTCATCAGGATGAGATTTAGAAGTGGTG
GTGCCCCCTTGTGTGACAGCATTGGCAGTGTGCAGTTGGGCCATCAATAATCCAAGGTC
CAAGGGCCCGGAATTGTCTGCCAAATCTTGGGAGTTATTTGCTCAGCCACAGGTTGGCAT
GCTCCAACAACATTGTGGACTGGGCTCACACCTATGCTGAGGTGGCCAATGTCTCCAAC
GTTAGATCTGCACCACCCCTTCCAGCAGCAGCTGTGGATGGCTTGCCCTGGCATGTGCATC
CAGCTTTTGTGAAGAACTGGACATGGCTAGAACTTGGGGTCCCACAGACAATGGGCGGG
ATGCAACATGGTGAGCTTTGGATGGGGGTGTCAAAAACCCATGGCAAGCCTGCCCCCTG
GCTGACTCATAGCATCCATGATGAATGGGGCTGGCTAATGGGGAGAAAAACATGGTGGCC
CCATTGCAAGTACCTGCCCCGGCGGNCGCTTCTAGAACTAAGTGGATCCCCCGGGCTGCA
AGGAATTCNATATCAAGCTTAATCGATACCCGTGACCTCGAGGGGGGGG

Sequence 4123

AGGTACAGAGAACTGCCAATGGCTCATTAAATCATGTNGNGGGGNCNTNANGTCGCTCN
NNNNNATANTANTTTNNTAACTGCGGNAANTCTAGAGCTAATACATGCCGACGANGCGCT
GACCCCTTNTTGGGGGGGATGCNTGCATTTATCAGGATCAAAACCAACCCGGTCAGCCC
CTNTCCGGCCCCCGGCCGCTCTAGAACTAGGTGGATCCCCCGGGCTGCANAGAATTCTGAT
ATCAAACCTATNCGATACCCGTCAACCTCCNAGGGGGANGCCCCGGGTTA

Sequence 4124

CCGGGCAGGTAAGTCTCGGGGACCTTGAGCCGGGCGAGCGCTGTGGGCCAAGCAGGGGTTGCA
GGGCAGTAGGAGTGCAGACTGAAAAAATGCAGACCGCCGGGGCATTATTATTCTCCAG
CTCTGATCCGCTGTTGTACCT

Sequence 4125

ACAANGGTCCTAGCTTTTGGCCTGCCTCANCTGTTGACATGCCTTCCTCACTAAGCTTAA
TCATTTCTAGCTTTCAATTTAAAGTAAGAAGTGTGTGACCTTCCTTTCAGTTGAACACT
GAGAAGCCATTGTAGGATTATTAATTCAATATTAATTAATTTCTATATTGCTCTGTCTTA
GGGAATAAGGGAGGCCCGAGGAGAGGGAGAGAGATGGGAGAATGGCCAATGGGTGGAGCA
GTCAGAATACACACACTGTCTCTTGATTAAGTTCACCATCTTACAGATAGAGAAATAATG
AAAAAGTTTGAAATATTGTGAGAATTATCAAAATGTGACAGACACAAGAATGAGCACATG
CTGTTGGAAAAATGGTGCCAATAG

Sequence 4126

ACAAAGTGTTAGCTCCACTCTTTCTCCTTTGAATACTGAGTATTAACTTTTAGAATTTA
TTAATAATTACTTAGTTCTCCCAATTCCTTCCAACCTCTGAGCGTTCTCTGACATCATG
CAGTAGCAACTCCTTTCTTGTCTCTGGGTCACTTGAATAACTTAATATGAAATGCTTT
GAGACCTTCAGAGAATCAGGACAGTCGCATACTTTGGCCAGGCACCCGCAAGACGTGCC
AGGAGGTTTACGTGCCTGTCTCTCTGCCTCTAGCTGGCTGGGGTTGTCCACGGCTCTGA
GGAGGGACACACGCAATGCTGAGAGCCTGCAGTTCTCGGGGGTGGTCAGGAGAGT
TAAATTGCGCCGCTTGGGCGTAATCA

Sequence 4127

TGCGATTTTCTTTTGCAGGTTGCATGCCAGCCAATATTCCTCTGTGCTGGGAAGGGAAA
GTTTGAGGATGTATCAAGACCATAGCAGTGGATCTCACTGCTCTTGCTACTCAGGGCTT
TATCTACACATTGATAGCCCCCTCAGAGGAAAGGCACCGCCGAAGAGTCGACACTGGCTC
TGGGCTTGATGCTGCCTCTGATAAACGCTGGGCACTCTGACCTTGAAGCCAGGGAGGG
AGTGCTTGGCAGCTGCCCCCGCGTACCTCGGCCCGCTCTAGGAACTAGTGGGATCCCCC
CGGGCCTGCAGGGAATTCGATTATCAAGCTTTATCGATACCCGTTGCGACCTTGAAGG
GGGGGGGGCCCCGGTTACCCCAAGCTTTTTGNTTCCCTTTTAGTTGAGGGGTTAAATT

Table 2

TGCGGCCGCCTTTGGGCCGTTAATTCATTGGGTTCAATAAGNCTGNTTTTTCCCTGGTG
GTGGAAAAATTTGGTTTAATTCGCGNCTTCACCAAATTTNCCACCAACAAACCAATAA
CNGAAGCCCCGGGGGAAGCCATTAAGTTGGTAAAAGCCNTGGGGGGTGGCCTTAA
TNGAAGTNGAAGCCTAAACCTCAACAATTTAAATTTGGCGGTTGGCCGCCTCNACTTGGC
CCCGCCTTTTNCCAAGTTCNNGG

Sequence 4128

ACGCGGGATTCTCACTGGTGCTCAAGGTGACATTTTCATCCATAAATCTGTATGTGGTTT
AAATATTTTAAATTTTAATCAGAGTGCTAGCCATTGTTTAAAAATACAGCTTCCTAAAT
GTTTGCAAAGCAAAGCAGTGGCGTCCAGTAGAACTTTCTGAAGTGATAGAGATGACCTGT
GTCTGCACTGTCTAATAACCTCATGTGGCTTAAAGCACCTGAAATGTGGCTATTATGACT
GAACTGAATTTTAAATTTAGTTAATTTAAATAGCCACATGTAGGCCGGGCACGGTGGC
TCCCAGCACTTTGGGAGCCTGAGACGGGCGGATCGCCTGAGGTCAGGAGTTCAAGACCAG
TCTGGCCAACATGGTGAAACCTGTCTCTACCANAAAAAAAAAAGNNAAAAAANGGTA
CCTCGGCCCGCTCTAGAACTAGGTGGATCCCCCGGGCTGCAG

Sequence 4129

AGCTCCACCGCGGTGGCGGCCGANGTACGCGGGGAGGTTGAAGTCTCCTAAGATGCCCGG
TGGGCTGGGGCACC GGGAGCTGNGAANGGAACGTGAGGGGGCGGCCGTAGTGAGACCCA
CGGCAGGCCTGAAGAAGAGC

Sequence 4130

AGGTACGTGTAAACTAAATGTCTTTGTAAATCACTGAGTCTTCCTGTTTATTTCTGG
TTAGAGATCTTTGGGGGCTTGGATGGAGGAACAGGAAAAGAGGAGCCAGGCTTTTTTGA
AAATTGGCGGCAGCGGTGGCATAACGGGAACTGAAATCTTTATCTAATCTCATCCTTTGT
ATATTCGTCTTGGATTGCTGAAGAAAATTAAGGTAAATTTTGTGTGAGCTCACTGA
ACTCAAATTGAAAGGGAACATATGCTGTTATTTTGTGAAGGACATTAATTGGGTGTGA
CTGGCAGGTTTGAGACCTGAAGTTCCTCTTTTAGATAAGGAAAATTTCCCTTGGTCCCGC
GTACGACTGTCTAATATCCTGCTGGACATTTAGGTAGGACCTACAGCTTGCCGAGAGAG
TAACTCATTTGTTTTCTCTGAGACAATCTGTAATTTGTCTTGTCTATTATCCTTAAGTA
AGGTAATTTGCTCTTTCTTTTCCCATATACAGATTATGTACCT

Sequence 4131

AGGTACTTTCTNTTTTTTTTTTTTTTTTTTTNGATATTTAATGATGNAGCTTCTAAAT
TGGTAGTTCTGTCTTTGAGTGTGAACCTAAAAATTATGAAAATGCGGCTGGGCGCGGGG
CTCACACCTGTATCCAGGCACCTTTGGGAGGCCGAGCCACTGCATCTGGCAGNAACATAT
ATTTCAAAGAGTANCTGGCCACTAGGATCTACCTACCTACATTTTGGNGCAAACCTA
TTACTTTGGGGGACATCTTTCTTTTTTCCCTTTTCTTTATTTTTTTTAAATTTACANAAT
GGGGTCTTGTAAATGTTTTCCCAAAAGAAGGGCTCAAAGGNTGCANNNNGGCNTATTT
CCACCAAGGGCNATTGGATTCAATAAGCCNCCAACCTTNTTAAGCCCTTTNGGAAAACCT
TCCCNNGGNGCCNTTCNAAAGNNNGGAATNCTTTTNCACCAANTAAAGCNTTTGGAN
GAACCAAACCANGGGTTAACCNTTGGCCCCCGGGGCCGGGGCCCGGTTTTTTTTTAAAA
AAACATTAANGTTGGGGATTCCCCCNCNGGGGTCNTTGGCAAGNGGAAAATTTCCGAA
TTATTTCAAANGCCTTTTATTGCAATTACCCGGTCCGNAACNCCTTTTAGAGGGGGGGG

Sequence 4132

AGGGCGAATTGGACTCCACCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGGACCTTGCG
ACCGTATCCGCTAGCGCGGCCTGGGATGCAGCTAGGGCTCCCTGTTCTCCACATGCA
GGGCAGCACAAAGGAGAATGGGCGTCATGACTGATGTCCACCGGCGCTTCCTCCAGTTGCT
GATGACCCATGGCGTGCTAGAGGAATGGGACGTGAAGCGCTTGACAGACCGCACTGCTACA
AGGTCCATGACCCGCAATGCCACCGTAGATAAGTTTGGAGGACTTCATCAACAACATTAA
CAGTGTCTTGGAGTCCTTGGTATATTGGAGGATAAAGAAGAGGGAGTCACGGNAAGNAT
GNATGGGAGACCCATTTATGCCGTTTGGGTGAAATCTTGCTACAACTTCAATTTCCA

Table 2

AAAATGGCTTACCGGGATTTTTGCCAGAAGNAATGGAACCTGGATTGTTTTAAGAAAGG
GCTTNTTGGGAACCTGATTATTGGACTTCAAAAAACCCGGCTTTGCGTTCTTTCCCACAA
ACATAATTGGAACCTGGGTTTGATTCANACCTTAAAAAGGCCAAGGAAAGAATGTAAGGA
AAGAAAGGGAAAGCCGGGAAGCAAAGGTNCCTTGCNAAAAAAATTTTTGNTTTCNAAAA
CAAAGGTTGGGCTTGATTTTGAANAAAAGGAAAAGGGGGGAGGTTTCAACCCCTTGCA
ACCGGGCCGGTTTTTANGAACTNAGTNGGGATTNCCCCCCCCGGGNCCTTGCAAGGGAA
ATTTCCAANTATTTAAAGNCTTTATTTTCGNATANCCCNGTCCGAACCCCTCNAAGGGGGG
GGG

Sequence 4133

GNACTNCAACCGCGGTGGCNGCCGATGTACCCAACAGAGGTTAGCATCAGCAGCAGGCCGG
CGCCCAGGAGGGGCAGCAGCCTCACGCGGGGCTTNTGGTCTCGGCCGAGAAGCCGAGA
TGACGAAGGGAACCGTCATCGTTTGAAAGCGTCGCAATAAGACGCACACGTTGTGCCGC
CGCTGTGGCTCTAAGGCCTACCACCTTCANAAGTCGACCTGTGGCAATGTGGCTACCT
GCCAAGCGCAAGGAGAAAGTATAACTGGAGTGCCAAGGCTAATAAGACGAAATACCACCC
GGGAACCTGGTCAATGGAGGCACCTTAAAAAATTGTATACCCGCCANATTCAGGCCATTG
GGATTCCCGTTGAAAGGGAACCAACCACCTTAAACCCCAAAGAGGGGCAGCCTGTTGGCA
AGCATCCAGTTCATTCTTTAAGGAAATGTCAAACCGATTTAGTCAATGCCANTAAATG
GTTTCTTGGGTTTTTGGAAAAAANAACGAATTTNTNAAANAANGGTTACCCCTTGCA
CCNNGGNCGGGCCCGGCTTNTAANAAAACTTAAGTNGGGATCCCCCCCCGGGGCCTGNC
AAGGGGAAAATTTCCNAATAANTTCAAAANNCCTTTATTCCGGAATAACCCGGTNCNTAA
CCCTTNCTAANGGGGGGGGGGCCCGGTTACCCCAANGCNTTTTTTGTTT

Sequence 4134

GCTAATTGNAGCTCCACCGCGGTGGCCTACAGCTGCCAAGAANAGGANAGTGGTAAATTT
CATTCTTTGGGATGAGGAGTGAGTATAACCACANAATCTGCANAAGGTCTGGGGAATCCC
GCGTACCT

Sequence 4135

GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCTGAGCATCAGCAGAGATGCCGAGA
TGAAATCAGGGAACCTCTAGGGGATGGGTCTTCTATTACCTGGGAACACCTGAGCCAGAT
GCCTTACACCACGATGTGCATCAAGGAATGCCTCCGCTCTACGCACCGGTAGTAAACAT
ATCCCGGTTACTCGACAAACCCATTACTTTTCCAGATGGACGCTCCTTACCTGCAGGAAT
AACTGTGTTTATCAATATTTGGGCTCTTCAACACAACCCCTATTTCTGGGAAGACCCCTCA
GGTCTTTAACCCCTTGAGATTCTCCAGGGAAAATTCTGAAAAAATACATCCCTATGCCTT
CATACCATTCTCAGCTGGATTAAGGAACTGCATTGGGCAGCATTITGCCATAATTGAGTG
TAAAGTGGCAGTGGCATTAACTCTGCTCCGCTTCAAGCTTGGCTCCAGACCACTCAAGGC
CTCCCCAGCCTGTTTGTCCAAGTTGCTCTCAAAGTNCAAAGAAATGGGGAATNCCATGTT
GTTTGGCAAAAAAAGTTTGCTTAATTTTTAAAGGTCCTTTTCGTANTAANGAAATT
AAATGGAGGACAAATTTTTCTACCCAAAAGGGGAAGAACCAAAAAGGGGTTTAAAN

Sequence 4136

TCCCCGCGGTGGCGGCCGAGGTACCTGACCAGACACACCCAAATGCATGTCATACTGCAC
AAATTACACATTGCAAAGTGTGCTCTGCACTGTTATGGAAAACAATTTGCAGAATACT
TCCTTTTCCCTTCTGTTGTGCCAACTCTTTATTATAGGATAGGGATTAAAGGTCAGGGT
TACATGGAAGCAGGGTTCCCTGGGGTGTGTATCAGCCTGATGCCGCCCCACCTCAGCTG
CCCCTCCACTTTCATCTCCCATTTCTTTATGAGAGCAGAGAGGAGAAGGGAAAGACGT
GGCAGAGGAATAAGCAGAGATGGTTACCCTGAGACAGGACTTTGGTCCACATCATTTACT
TGAGAGGTGATCCCAGGAACCATGGGGACAGTGACACAAGGAAGACAGGAAGCCAATGAA
GGGTATGATGACCAAGTGGGTGCCTGGCANTGAGTGGACAGGCAAGGCTCAGCCTGCTGGG
GCCCCCTGAGAGACTGCAGAACTCTCCCANATTGTCCCATTTGAAAGACAAGGGGAGTGG
GG

Sequence 4137

Table 2

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTTAATACACTCCAAACCTC
AGACTGGTGATATTGCATTACTTTCTATAAGATACACACTTATATTTTGCTTAAAGAAGC
ATTTGCAGCTTTAACCCATTAAATGTAATATATAAGGCAGATGGTTCTTGACAACTATAA
TCTTGAAGAAAACCTGAAAAAATCAATTAGGTGTTTGGCAGCACTCAAAAAACAGCCTAA
TAAGCTCATTGCCATGCAAATCACCTACAATGTTAAATATATAAACTGCTGTATTAAGC
TCGGAGAAGGAGGAAAAATTTCTCTTCACTCATGTGACCGGAGACTAAAAGGAAGGCTCC
AGGGGTGCTGCTGGCTGGGAAGAGAAGTGGGGAAGTGGCCAGTAGAGGTGGAGATGCC
AGGGCAGAGGGAAGTGGGCTTAACGGGGCAGGGCTGCCTCTAGAAAGAGCCAGCTTTTCT
AGCACAGGTTAGGAGTGAGGCAGCAGAACTGGGCTTAACAGGGGGCAGGACTGCCTCTAG
AAAGAGCCAGCTTTTCTAGCACAGGTTAGGAGTGAGGCAGCAGAACTGGGCTTAACA

Sequence 4138

CCTATTTTGGCGAATTGNAGCTCCACCCGCGGTGGCGGCCCGNCCGGGCAGGTACACAA
ATGTTACAGCAATATTATTCATAATAGCTAAAAAAAGTAGAAACAACCAATCAATGGA
TAAATGGATAAACAAAATGTGGTATACTCATACAATGAAATATTTTCTCCATGAAAAAT
GAAATGAAGGGCTTGACCATGGGTGGGCTCACCGCCTTGTAATCCCAAGCACCGTTGGG
GGAAGGGCTTGAGGGCAAGGGCCGGGGATCACCTTGAAGGGTCCAAGGGGAAGTTTTG
AAGNACCCAAGCCTTGGGCCCAAACCATGGGTGGAAAAACCTTGCTCTTACCTTA
AAAAAAATACCAAAAAAAGGTAAAGCCTTGGGGGCCATTGGGGTGCCCAAGGGCC
GCCNTGTAAATCCCTTGGGCTTACCTTNGGGGAAAGCCCAAAAGAACCAAGGGAAG
GAAATCCGCCTTTGNAAACCTTAAGAAAAGGGGAAGAAGGGTTGGAAAGTTGGAAG
CCTTGAAGAACCTTGCNACCCACCTTGGCNACTTCCCAAGCCCTTGGGGGCCAAAAGGA
AAAGAAAATTGAAAAACTTCCCATTTCTCAANAAANAAAAAANATTANAATTGGA
AAAAAAGGTACCCTTCGGGCCCGCTTCTTAAAAAACCTAAGTTGGGGAATCCC
CCCCGGGGCCCTGGCAAGGGAAATTTCCGAATANTCAAANCCTTTTTCGAATTACCCGT
CCGACCTTCGNAGGGGGGGGGGCCCGGGTAACCCCAAACCTTTTTTGGTTCCCTT

Sequence 4139

ACGTACTTTTTTTTTTTTTTTTTTGCANTCTGCTTCTTTGATATGCCTTAGGGTTAC
CCATTTAAGTTAGAGGTTGTNATGCAATGGTGGGAATGAAAATTGATCAAATNTACACCT
TGTCATTTTCAATTCAAATTGCNGCTGGAAGTTCNAAAAAAGGGTAGGCATGAANAAAA
AAAAATCAAATCAAACCTTTCAGGGGTTTGTGTTCTGATATGGCAGACAAGATACCA
CAGTCCCACCNAGTAGATGGAACCNATTCAAAATTAAGGGGTAAATGGGGCCTGACCAA
AGGNTNTTTGCCAGCCATTGGGNACCNNAATGANGCNACAGGCCTGAAAAAGTTNTTT
NGGATTAATATAGGCACCTACTAGTCTCTGATGGTAAGGGGAATTTNTTGTAGGTCC
AAAACCATACCNCTTANAACCTTCCCAAGGGGAAAAANTCTTTTACGGGTTAGCCCTAA
AGCCTTTNGCCTTTTTTTTAAAGAGTGGANTGAAGTTTGCCATTGGCTNCCTGGTNGA
ATTTTTTTTTTGAAAAAAACCAAAACCTTGGGGTTTTTTGGGTACCTTTTGGGGCCCC
GCCTTCTTAANAAACCTTAAGGTGGGNAATTCACCCCGGGGGCCTTGGCCAANGGG
AAAAATTTCCCATTTNNTTCCAAAGCCTTTTANTTTCCGANTTCCCGGTACGGACCTT
TNGNNANGGGGGGGGGGGGCCCCNGGTTACCCCAAACCTTTTTTGGGT

Sequence 4140

TCCCAATTTTGAAGCAAAGCCAGACACTCCTAGCCTGCGGCCAACCCTTCCAGGGTTG
TCAGGACTTCCACCCACACTGACCCAGGGTGGCTTCATTCTGTAAGGGAGAACCTGCCA
GAAGCACAACCTTATCTTCAGGGATGAGGCCCTCCAGGGATGCTACATGGGCCTTGCTCT
GGGCAACCGTCTCAGGCCGGTCACTTCAAGAGTGTGCCCCGCGTACCTGCCCG

Sequence 4141

ACTTTANGAGACCCAGGCGGGCAGATTGCCTGAGGTGAGGAGTTTGAGACCAGCCTGGCT
AACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATNNGCCGGGCATGGNNGGNTAC
GCCTGTAGNCCCATCTGCTNGNNANGTTNANGCAAGAGANNCTTGNACCCANGAGGTG
GAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACAGAGCAAGACT

Table 2

CCATCTCAAAATTAAGAAAGAAAGAAACAAAGAAAAGCTTATATTGAACTTCTC
TTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATCTAAATTTTGGCAAAGTCGA
TCAATTTAAAGGATATTTTATTTTGCATTACAAAAATAATTTCTTACCTCCCCCAA
AATCAATAAAAAAGTTCAAATAGNCAACTTTTCTAATGGTGTTTTAAAAATGTAATTCA
CCAAATNCCATGTGTTCCCCAACCTTTNTTTTCCAAGTTATAAATTTCTATTGGNGTAAA
AGTGGAGGGTNTTACCTGAAAGGTGGGGGGCCAANTAAGNAGAGGTTTGAGGCTTTCAGG
AACCTTGCCTTGGAAGNAAGAAGCCGTGGTTTNTTTNTTAAAAANGTCNTGGAGGGAA
AATTGGGTTT

Sequence 4142

ACTTTTTTTTTTTTTTTTTTTTTTCGNCACTACCTCCCCGGGTGCGGAGTGGGTAAATTT
GCGCNCCTGCTGCCTTCTTGATGTGGTAGCCGTTTCTNAGGCTCCCTCTCCGGAATCG
AACCTGATTCCCCGTACCCGTGGTTACAANGGTAGGCACGGCCGACTACCATCGAAAG
TTGATAGGGCAGACGTTCAATGGGTCGTCGCCGCCACCCCGCGT

Sequence 4143

GGCACAGTGGCTCATGCCTGTAATCCAACACTTGGGAGGCTGAGGCGGGTGGATCACCT
GAGGTCCGGAGTTCGAGACCAGCCTGACCAACATGGAGAAACCCTGTCTCTACTAAAAAT
ACAAAATTAGCTGGGCGTGGTGGTGCACACCTGTAATCCCAGCTACTCGGGAGGCTGAGG
CAGGAGAATCGCCTGAACCCGGGAGACAGAGGTTGTGGTGAGCCGAGATCGTGCCACTGC
ACTCCAGCACTCCAGCCTGGGCAATGACAGCGAACTCTGTCTCAAAAATTATATACATA
TATATTTTTGGCCAGGCGCAGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGA
GGCAGGCAGATCATGAGGTCAGGAGATGGAGACCCTCCTGGCTAACACGGTGAAACCCCG
TTTTCTACTAAAAATACAAAAAATTAGCCAGGCGTGTGGCGGGCGCCTGTAGTCCCAGC
TACTGGGGGAGCTTGNGCAGGANAAATGGCCGTGAACCCAGGANGAGGGCGGAGCTTGC
AGTGAGCTGAAGAATCCGCGCCCACTTGCACTTCCAACCTTGGGGGGACACAGCCGAGAA
CTTNCGTTTTNAACCCAAAAAAGTTCCNTNNGGCCCGC
TTTTAAACTTAANTGGGATCCCCCGGGGCTTGGCAGGGAAATCCNANTNTTAAAGCT
TTNTTNGNANNCCCGCCCNACCTTTNAAGGGGGG

Sequence 4144

AATTGCANCTCCACCNCGGTGGCGGCCGTTTCNGCCAGGTTTCNGGGGAGAAGGAAGANGC
GGGGAGGGAAAGNCTGCAGCAAAAANAAAAANANTCCCGGACAGGCCGCTTGCTGCAGA
GGATCCAGTCCAGATCCCAGGAGAGCCCTCTGCCCTTCGGACCTCGTCTTCCCATCTA
CAAAACGTGAAGATTGGCCCAAGTTAGCCGTGTCTCTACAAAATAGGTGCATATACCACT
NGAAGCTGCCTTGTGTTTGNNTGNTGGATTGAACCTTTTGTCTTCATGAAATCACC
GGGNTTNGGGAAAAGGCCTNCCTCCTTGTGTTTTTCTGCCTNAATAAAAAAAGCCCAT
CTTTGNGGCCCAANGCCGGTNGGGTGGGGCTCCACNACCCGTGNNAATTTCCCCAGC
CACCTTTTGGGGAAGNGCCCCAANGGCCAANGCCGGGCAATCCACCCCTNGNANGGC
CCCAAGNGGANGTTTCAAAGAACCCCAAGCCCTNGAACCCCAACNNGTTGGGGGGGA
ANAACCCCTNGTTTNCCTCACTTAAACGAGANAAAAAGNCCCATATAAATNTNGAGAA
AANAAAAATNTGGNTNCCCTATGGGNCCNNNTTNTANNAACNNAAGGGGGGGGATCC
CCCC

Sequence 4145

TGAAATCCAAATCCNGGAAATTNCCNCCGGAGCTCCACNTTTGTGGCGGCCNTTNCCC
AGGTTNNAAGACCCCGAGAGGCACTCAGCGGGAGCCTNGTGAAANCNNACANCTCNTCA
TCGACTACATTCTCGACCTGCAGGTAGTCTGGCCGAGCCAGCCCTGGACCCCTGATG
GCCCCACCTTCCCATCCAGACAGCCGAGCTCGTCCGGAACCTGTCATCTCCAACGACA
AAAGGAGCTTTTGCCACTGACT

Sequence 4146

CCGGGCAGCTAATTTTTTGTGTTTTAAGTAGAGACGGGGTTTCACCATGTTGGCCAGGAT
GGTCTCACTCTCCTGACCTCGTGATCCACCCACCTCGGCCTCCCAAAGTGCTAGGATTAC

Table 2

AGGTGTGAGCCACCATGCGTGGTCCACACTTATTATTTTTACTTTAGTTAATAGTCTAAT
ATTTAAGGGTATATTGTTTTTAAATCCAATGCCTTTACTTTTTATTATTTTTTTTGA
GATGGGGTCTTACTCTGTCACTCCAGGCTGGGGTGTGGTGGCGCGATCTCGGCTCACTGCA
ACCTCAACCTCCTGGACTCAAGCGATCCTNCCACCTTCCTTCGAGTAGCTGGGATCACA
GGCATGTGCCATCACGCCTGGCTGATTTCTGTAAANGGGGTTTCGGNTGTNTTGGCCA
NGGCCCCGNCTTAAAAAACTCCTTGCCCCCTCAAGCGAATCCTTCANGCCTNAAAGCCTT
TCCAAAAGATGGCTGGGGGATTACAAGGGNGTGGAGCCCNACTTATNCCTTTGGGCCAA
ANATCTNGAAAANTTTTTAA

Sequence 4147

NATACCAGGCGTTTTCCCCCTGGAAGCTCCCTTCGTTGCCGCTCTTCCTGTTCCGGACCC
TGCCGNTTACCGGATACCCTGTC

Sequence 4148

CCGGGCAGGTACTTTAGGAGACCCATGCGGGCNGNTNGCNGAGGTCAGGANTNTNAAAC
CANCCTGGCTAACATGGTGAACCCTGTCTCTACTAAAAATACAAAATTAGCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCCCGAGATCGCGCCACTGCACTCCAGCATGGGGCCG
ACAGANCAAGGACTCCATCTTCAAAAATAATGGNACGCAAAGGNNTNCATGGGCANAAC
AACAGGCTTATTNTTTNGAACTNTNTCTTAATAGCNCGGANCATCNCAGANANGGC
CCTNNATTNCCNCCACCAATATTCTTTAAAAATTTTGGGCCCAAAGTTNCGGATTCCAA
ATTTAAAAAGGGGAATTATTTTTAATTTTTGGCAATTTCAACCAAAAAAATTNANTTT
NCTTTTAACTTCCCCCCCCCAAAAAAATCCAAATTAAAAAAAGGTTTCAAAAATT
AAGGCAAANCTTTTTCCCTTAAATNGNTGGTTTTAAAAANTTGGTAAATTCACCCANAA
ATNCCATTTTTNTTNCNCCCAANCTTCTTT

Sequence 4149

CCGGGCAGGTACCAGGTGAACAAAGTTTACCAGAGNGCAGNGAGACAAGAAAAATAANA
GCTCNTGATGAGGGAAAAAGAAAAGATTGAGAGAATTTGTGCCCCCAACCATTTCTCAG
ACTCTAAGAAAGAACACGCTCTCTCCAGGCAGGTCTGAAGCTCAACTCTTATTGCCTC
ACTTCAGGTATACCTCACTTTTACACAATAGGAATTATACTGGAAAGAAGTTGGGGACA
CATGTTATTTGGTGATTACATTTCAAACACATTTAGGGAAAAGTTGCTATTTGAACTTTT
TTATTGGATTTTTGGGGGGGAGTTAAAGAAATTATTTTGGTGGATTGCAAATAAATATC
CTTTTAAATTGATCCGACCTTGCCCAAATTTTAGGATTTGTGTGCATTCAGGCTTTCTTT
TTTTCTTTTTTTTAAAGAAAAGTTCAAATATTAAAGCTTTTTCTTTTTCTTTGGGT
CCTTTCTTTCTTTTTATTTTGGGAATGGGAAGGNTCTTTGCCTTCTTGTTCGCC
CCATGCCTGGGAAGTGCCANNTTGGGCCGCCGAATCCTCGGGCTTCAACTTGCNAAACCC
TTCCAACTTTTCCCTGGGGGTTTCAAANGCCGAATTCCTTTGCCCCCTTNAACCCCTC
CCCCAAAGGCAGGGTTTGGGGGAAGTTANCANGGCCGTTGGANGNCCCACCCATNGGCC
CGGGCCTTAAAN

Sequence 4150

CCCCCAACTGCAGGCAGAGAACCATGGTAGCAGGGTGGCAGGGCTGGCCCTGANCAGGAG
CTGGAGCAAGCGCATGCTGGANAAAACAGAAGGCAATGTGTCCAGAGAAGTGGTCCCCG
CGTACCTGCCCGGNGCAGGCCCGCTCTAGAAGTAGTNGGATCCCCGNGGCTTGCAGGGA
ATTGATATTCAAGGCCTTATCGAATNCCCGTTCGACCCTCNNAGGGGGGGGGCCCCGGG
TACCCCANCTTTTTGTTTCCCTTTTTAAGTGGAAGGGGTTTTAAATTTGGCCGCCGCCT
TTNGGCCGTTAATTCATTGGGGTTCCATTAAANGCNTGGTGTNTNCCCTTGGTTGGTTG
GAAAAATTTTGGTTATTCCNCGNCTTCAACAAAATTTTC

Sequence 4151

CCGGGCAGGTNCGCGGGGCACTCAAGCAGAGAAGAAATNCACAAAGACTCACAGACTGNT
GGTGGGCATGAGAAGACAGAAACGACATGAGCACAGCAGGAAAAGTAATCAAATGCAAAG
CAGCTGTGCTATGGGAGGTAAAGAAACCCTTTTCATTGAGGATGTGGAGGTTGCACCTC

Table 2

CTAAGGCTTATGAAGTTCGCATTAAGATGGTGGCTGTAGGGAATCTTGTGCGACAAGATG
ACCACGTTGGTTAGTGGCAACCCTGGTGACCCCTTCTGTGATTTTAAGGCCATGAAG
GGCAGCCGGGCATCGTGGGANAAGTGTGGGAGGAAGNGGGTGACTTCCAGTTCAAAA
CCAAGGTTGATTAAAAGTCATCCCGGCTCTTACTCCTCAGTGGTNGGAAAAAATTGCCA
NGAGGTTTTGTTAAAAAACCCCGGAAGAAGCCAACCTACTGGCTTTGAAAAAAATG
ATCTTANGGCCAATCCCTTCGGGGGGGAACCCCTGCAATNGGATTNGGCNCCCCAGG
GAANGTTTTCAACCCTTGGCAGNGGGGGGGAANNNCCCCATTTTCAACCCAATTTTCC
TTTTGGGGNCANCCCAAAGCAACCCTTTTTTCCCCANGTNANCCNTTTTNGGCCGCG
TTNTTAAAAAACCTAANNTGGGGAATCCCCCCCCGGGGCCTTGCNNANGGAANTTTTCGG
ANTTNTCAAANGNCTTTNTTCCGATTACCCGGGTCNGAACCTTTTAANGGGGGGGGG
C

Sequence 4152

AGGTACGCGGGGAGTCTCGCTCTGTACCCAGGCTGGAGTGCAGTGGCGCCATCTCGGC
TCACTGCAAGCTCTGCCTCCGGTGTCAAGCGATTCTCTGCCTCAGCCTTCTAAGTAGC
TAGGATTACAGGCGCGCTCACCACGCTTGGCTAATTTTTGTATTTTAGTAGAGCCGAG
GTTTACCAAGTTGGTCAAGATGGTCTCAAACCTTCTGACCTCGTGATCCGCCCGCCTCGG
CCTCCCAAAGTGCCGGGATTACAGGCCGTGAGCCACCGCGCCCGGCGCTCTANAAC TAG
TN

Sequence 4153

ACTCTNTTTNTTTTTTTTTTTTTTTTGGCTTATGGGACGGTCCAAANAGGCTTTGGA
ACAGGGCTCCTCGGGGTTTTCTTGCCAACTGTCTGAGCCCGGGAACAAGCACGGGCCCCC
TTCCTCCTCAGCTCCTGCCACACTCCATTTACCCCTCCGAGGCCNACNCCATTGNGGA
GTTATTGTTCTCANAATCTGCTATGGGGGCTCCCGCGT

Sequence 4154

GAGCTCCACCGCGCGCGGCCCGCCCGGGCAGGTNCTTTAGGAGACCCATGCCGNCNGA
TTGCCTGAGGTCAGGAGTTTGANACCAGCCTGGCTAACATGGTGAAACCCTGTCTCTACT
AAAAATACAAAATTAGCCGGGCATGGTGGCTCAGCCTGTAGTCCCAACTGCTTGGGAG
GTTGAGGCAAGAGAATCGCTTGAACCCAGGAGGTGGAGTTGCAGTGAGCCCGAGATCGC
GCCACTGCACCTCCAGTCATGGGCCGAACAGNGGCAAGACTCCATCTCAAAATAAAGGAA
TAGGAAAGNAAAACAAAGNAAAGGGAAAAGCCTTATTATTTGAACCTTCTTCTTAAACNA
AAGGAAACATTAAAGGANTTGCCTTGATGNACACCAAAATTTCTTAAATTTTGGCCAAG
GTTGGAATCCANATTTAAAGGGATTATTTTATTTTGCNATTCACCAAAAAAATTAAN
TTTCTTTTTANCTTCCCCCCCCCAAAANAATTCCAAATTTTANAAAAAGTTTCCAAAA
TTANGCCAAACCTTTTTTTNCCTAAATNGGTTGNTTTTTTAAAAAANTGGTTAAATTC
CACCCCAAAATTTCCATTGTTGTTCCCCCCCCAAACCTTTTCT

Sequence 4155

TGCGCGGTGGNTCAGCCTGTNATCCCGGCCTTGGGGGAGGANGAGGCGGNCAANAAAA
CAANGTCTNTANGTTTGAGACCATCTTGACCAACTTGGTGAAACCTCGGCTCTACTAAA
ATACAAANATTAGCCAAGCCGTGGTGACGCGCGCCTGTAATCCTAGCTACTTAGAAGGCT
GAGGCAGGTAGAATCGCTTGAACACCGGANGCAGAGCTTGCAGTGAGCCCGAGATGGCAG
CCACTGCACTCTCAAGCCTGGAGTGACAGNAGCGAAGACTTCCCCCGGTACCTNNGGNC
CGCTTCTAGAACTANGTGGGATCNCNCCCCGGGGCCTGCAAGGAAATTCGATAATTCA
ANGCTTTATTTCGATTACCCGTNNGACCCTNTGAAGGGGGGGGGGGCCCCGGGTACCCC
AAGGCCTTTTTNGNTTTNCCCT

Sequence 4156

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTGAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAATTAGCCGGGCAT
GGTGGCTCAGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACA

Table 2

GAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACAAAGAAAAGAAAAGCTTATATT
GAACTTCTCTAAAAAAGAAAAAAGAAAGCCCGATGCACACAAATCTAAATTTGGCAA
GTCGATCAATTAAAGGATATTTATTTGCATCACAAAAATAATTCTTTACTTCCCCCAA
AATCAATAAAAAAGTTCAAATAGCAACCTTTTTTCCTTA

Sequence 4157

CCGGGCAGGTACCTCAAAGGTAAACAAAATAAAATCTTATTAATAATTACATTTAAAAAC
AGTTTTAACAAATGAACAAAGGCCATGTTTAGTAGTACTATAGCCTAAACATACCTGCT
GTTTCAGGTGCTTGGTTGCAGAATCGCCATTTTTAGGGTCATTAAGTGCATCGTGTAAATG
CTGGATGGGACATAATATGATCTTTAAGTGTAGAATTCAAGCCTTCACTTGCTTTTCTCA
ATTTCTAATTAACTTTTCCAAGTCTCTTCAGATAGAGAAGAAATTGGAATAATTGTT
CAGGTATTTCTGTTTCATCTCTTAAGCCTGCATTAATATCTTGAATATAGAAATCAGGTT
TTGGTTTCTCTCTTGAGTTACATTTTTTCAAATGCTTTGCTAGTTGATCTTCATATACTG
TGTGTTTTGGATCTAAAGGACACAGGATTCTTTCCGAGCATNTTCTTCTCCATGGCTC
CAGCGTGTTCAACACAAAATCTTTCCCTGCGGCCACCACCATCCTGCAGAACCCGTTTT
CTTCTTTCCACATAGTAACCCGCATCTACCCTCAGCTGGAA

Sequence 4158

CCGGGCAGGTACCTGTGGTCTCAGCTACTCGGGAGGCTGAAGTGGGGAGGATCGCTTGAG
CCCAGGTGGTTCGAGGCTGCAGTGAGCTGTGTTTATACCACCACACTCCAGCCTGGGCCGC
AGAGTGAGACTTTGTCCAAAAACAACAACAACAACAACAACAACAAAACTGTAG
CTTCCATTTTGGGTGTTCTCTATTGCTCTGTCTTGATCATTCACTCTGGGAGAAGCCAG
CTGCCAAAGGCATTCTTCAGCGAGGCCACATGAATGGTAACAGGCACATGAGTGAGCT
TGGAAGCTGATCCTTTCTAGTTGAGCCTTGATGACTGCAGCTGTGGCTGACACAGCAGT
AGCTTTTGAAGATTCTAAACCATAACTAACAGCTAAGTCTTCCAGATAACTGTCCTG
CAGAACTATGAGATAATAAATGTTCAATTGTT

Sequence 4159

ACGCGGGGAGACCGACTAGGACGAGACAAGAGGGACAGGGAGGCTTCGCGGAACCCCTACG
CCCACCCGACGCGTTCGCCCCGTCGTTTTATTTTTATTTTTATTTTGGTTTTTTGTTG
TTGTTCTCTTCTTTTGTCTTTTTTCTTTAGAGACGGGTCTAGCTATGTTGGCCAGGC
TGGTCTCGAGTCCCCGGGCTCAAGCGATCCTCCGCTCAGCCTCCGAAAAAGTGGGACT
ACAGGCGCGCATCGCCGCACCCGGCCAATCCCTGTTTTAATCCTTTTCTTAAATTGCA
AAAGTGGTGTCTTTTCTGAGATGGACCCTCCCTGATACAGGAGGAGAAAAAGAGACA
GGACACAGGGAGGAGAGCACTGCACGCAGCTGAAGGCAGAGATTGGAATGACACCTCTGC
AAGCCAAGGAACACGGAGCATTGCTGGGAACCAACCGGAAGAAGCCAGAAGACAGGCCTGG
AGCTGGCTTTCCCTCACAGCCCCAAAAGGAACCCACCCTGGTGCCACCTTGATTTTCGGA
CTTTGGCCTTCAGAACTGGGGAAGAGAATAAAATTTCTGTTGCTTTTAA

Sequence 4160

TTTGAGAAGCCNGCGCTCACCCACCCGGGGTCTCTGTGCATTGACCTTTGGGTGCTGACT
TGGAGAAAAAGCACAAACACGACCAGTCCCATCCTGGCTCCCGTGGGGCTTCTTCTATCTA
CGCATTGTATCGACTGCATTAGTTGGACTAAGATGATGACTCAGTTAAAGGAGGAGACAA
ATGCTGACTGTCTAAGCAAGAATGGCCCAAGCTGGCAAGAAAAAGCACACTGCATACATA
GGATCCCGCGTACCTTGCCCGGGCGGCCGCTCTAAGAAGTAGTGGGATCCCCCGGGGCT
GCAGGAAATTTTCGATATCAAAGCCTTATTCGATACCGTCCGACCTCENAGGGGGGGGGCC
CCGGTACCCAGCNTTTTGGTTCCCTTTAGTGGAGGGGTTAATTGCGCGCCTTGGGCGGT
AATCATTGGTCTAGCTTGTTTTCTGTGTNGAAAATTGTTATC

Sequence 4161

GGGCGAATTGGACTCCACCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGAGCACCCA
AGCGTGACAAGCCCTCTCACAGTGAATGGAGCGCACGGTCTGAATCTGCACAGAGCAAG
ATGCTGAGTGGAGTCGGGGGCTTTGTGCTGGGCCTGCTCTTCTTGGGGCCGGGCTGTT
ATCTACTTCAGGAATCAGAAAGGACACTCTGGACTTCAGCCAACAGGATTCTGAGCTGA

Table 2

AGTGCAGATGACAATTTAAGGAAGAATCTTCTTCCCCAGCTTTGCAGGGATGGAAAAGCT
TCCCCGCTGGCTGTTATTCTCCACGAGAGAGGGCTTTCTCAGGGACCTAAGTTTGCTA
CTGGGTTTCAAGCAACCTGCAAGAAAATGTCCTCCCTTGTTGGCTTCCTCAGTTCTGCCC
TTGGCCTGAAAGTTCCCAGCATTTGATGGCAGCGCCTCATCTTCAACTTTTGCTCCCC
TTTGCCCTAAAACCTTATGGCCTCCTGTGCATTCTGGTACCTTCGGCCCCGNTCTAGNA
ACTAGTNGGGATCCCCCGGGCTGCAGGGAAATTCGA

Sequence 4162

GCGAATTGGACTCCACCGCGGTGGCGGCCGGGGAAGGTCAGCGCCGTAATGGCGTTCTTG
GCGTCGGGACCCTACCTGACCCATCAGCAAAAGGTGTTGCGGCTTTATAAGCGGGCGCTA
CGCCACCTCGAGTCGTGGTGCCTCCAGAGAGACAAATACCGATACTTTGCTTGTGATG
AGAGCCCGGTTTGAAGAACATAAGAATGAAAAGGATATGGCCGAAGGCCACCCAGCTGCT
GAAGGAGGCCCGAGGAAGAATTCTGGTACCTCGGCCCGCTCTA

Sequence 4163

CGCTTTACCCGGGATACCCTGTCCCGCCTTTCTCCCTTCGGGGNAAGCCGTGGGCGCTTT
NTCATAAGCTCACC GCCTGTTAGNGTATNCTTCANNTTTCNGGTGTTAGGTCCGNTTCGC
TTCCCAANGCTGGGGGCTTGNGGTNGCACNGAAACCCCCCGNTTCAAGGCCCCGAACC
CGNCTTGCGCCTTTATTNCCGNTAANCCTAATTCGGNCTNTTGAAGTTTCCCAACCC
CCGGGGTGNAAGNAACAACCGAACTTTATTNGGCCNNNTTGGGGCCNNNGCAAAGCC
CAACNTGGGGGTNAACCAAGGGANTTTATGCCNCTAACCGGAANGGNTATTGTTTAANGG
CNGGGGTGGCCTAACAAAAGAAANNTTCTTTGGAAAANATGGGGGNGGGGCCCTTAAAC
CTNACCGNGGNNTNCCACTNAATAAAAGAAAACCANNTTATTTTTNGGGTTATNCTTGCN
GCNTCCTTGGCTTGNTAAANCCNNGNTTANTCCCTTTTNGGNAAAAA

Sequence 4164

ACNCGGGGCTTCCACCATGTGAGGACACAGCAAGAAGGGGCTGACTCTGAACCAGGAAG
CTGTGCTGTGCTCACCAGACACTTTGATCTTGACTTCTCAGCCTCCAGAACTATGGGGT
TCTGCTCTTGTCACCCAGACTGGAGTGAAGTGGCACAATCTCGGCTCACTGCAACCTCCG
CCTCCCGGGTTCAAGGCGATTCCCCTGCCTCAGCCTCCAGAGTATGCTGGACTGCAGGCG
CCACGCCACCACTTCTGGCTAATTTNTTGAATTTNTAAGTAAGAGACGGGGTTTT
CACCCATGGTTTGGTNCAAGGATGNTTCTTGATCTTCTCACCTTGGTGGATCNCGCCCA
CCTTNAACCTTCCCAAAGTGGCTTGAAGAAGACTAAAGACACCCNTTTTCTTAGACCAA
GAAAAAGGGAAGGCCCGNATTGGGCNNAGAACATTTNCTTCAANAATAAGGGTTTTGGGT
AAGCCTAATTTGGAACCCTNGGGCTTGCCATTTCAAAAAAGGGAAGAATTGGAAAAAATT
CCCCCTTTANGAAAAATTGGGACCAAGGCCTTTCCTAANTGGAAAAATTTTAACCAACT
TCAAAGGAAAAGGGGNCATTATAGGAAACCAACCTTGGCCTGGCCAAGCCTTTCAAGGA
AACCTTTTGGCCAAGGAAAAAATNAAAAAATNGGTCAAACCAAGGCCNTGGGGGAAG
AAAA

Sequence 4165

TATCTCCACCGCGGTGGCGGCCCGAGGTACGCGGGATTCCCCAGACCTTCTGCAGATTCT
GTGGTTATACTCACTCCTCATCCCAAAGAATGAANTTTACCACTCTCCTCTTCTTGGCAG
CTGTAGCAGGGGCCCTGGTCTATGCTGAAGATGCCTCCTCTGACTCGACGGGTGCTGATC
CTGCCCAGGAAGCTGGGACCTCTAAGCCTAATGAAGAGATCTCAGGTCCAGCAGAACCAG
CTTACCCCCAGAGACAACCACAACAGCCAGGAGACTTCGGCCGGCAGCAGTTCAAGGGG
GACAGCCCAAGGTCACTCAAGCAGGGCAGGGAACCTAAACCCCTGAAAATTCATAGG
TGGAAGAAAAGTATCTTACTTAACCAGGAANCAAGCCCTTGCAANAAAGCCAGGGAAAAG
GGAAATGGCACCGGGAGGGCGTTGCCAGGTTGGGAAAAACAAATTCATTNGAAAAATGG
GAAGTTGAATTTGCCACCAAAAAAATTACTGGAAAGAAAATTCAGTTCTNTTTAAAAA
ACCCATTGGGGGCATTGAAGAAAAGCTTGGAAAAAGAAATGGGGGAATCCATTTTGGGA
CCTTTAAAAAGGCCCTTNAAAATTACCCCTTTGNTNAGCCCCAANAGGCTTNTTAAAAA
AACCGGAAAANCCCATNNCCNGTAATNATAATATACAAACNTTAAATGAAATTTGATNT

Table 2

TGGGTTACCCCTTGGCCCCGGGGGGCGGGCCCGNCTTNTTAAAAAAGTTANNGNGGGAATT
NCCCCCGGGCCTTGGCNGGGAATTTCCNAATTTTAAAAACCTTTANTCGANTNCCC
GNTCCAACCCCTNTAAGGGGGGGGGGGCCCC

Sequence 4166

CTCCACCGCGGTGGCGGNCGAGGTNCATTTGCTTCTGACACAAGTGTGTTCACTAGCAAC
CTCAAACAGACACCATGGTTGCACCTGACTCC

Sequence 4167

TGGTAGCTCCACCGCGGTGGCGGCCCGAGGTACTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTNNGGNGGNTAAAAAACNTGCCTTTTAGGGGTTNGGCCTAACANGGAGNGCTA
CCTTTCCCTATTAACCAGCGACATTTAATGAANTCATNTNTGGAGGGTGGAGGTGAG
GAANCTGTTTNTTTTCCATGNGTCTAGGGCTACCCAACTNAGCTNTGCTTGTCTGCTC
CCTATGGCCAANAGCNCATTGAGNCTAAGGGGAGGGTTTTNACCCAGNTTGCTCAGCTT
NTGGAACCCTANAAGGCCATNCCCAAACCCAGGGANAANAGTTCAGNGGGCCCAAGGCC
TGGAACACTGTGGGNGNANAAAAAAGTGGGNANNAAGNAGACNNGAAANCAGNAAAAAG
AAGGGNTGCTTGNATGTTTGCAACCTTTCCANTTTTGCCANNANCTTTGAAACCTTT
CCAAGNCAANANCCCAAGGGGGNGTGCCACAAGCANTTNTNTTTNTAAGGAGGGGGGAA
GGCTTNCNATGGGCCTTTNTTTGGGGCCCCNNATTNGNGGNATTGGGGCCTGNCCCAN
ANNNCCCCCANTTNGGGGGCCCCCTTTNACCCAAAAACAAGNNATNTTCAANGGGGAANCC
CTNGNTTAGGGCCATTTCNCNAGTTTCCCTTGGGAAAAGGNNGGCCTTTTTTAA

Sequence 4168

CGGCCGCCCGGGCAGGTACGCANGGGAGGCATTGAGGCAGCCAGCGCAGGGGCTTCTGCT
GAGGGGGCAGGCGGAGCTTGAGGAAACCGCAGATAAGTTTTTTCTCTTTGAAAGATAGA
GATTAATACAACACTTAAAAAATATAGTCAATAGGTTACTAAGATATTGCTTAGCGTTT
AAGTTTTTAACGTAATTTTAAAGCTTAAGATTTAAGAGAAAATATGAAGACTTAGCAA
GNAGTAGCATGAGGGAAGGGAAAAGATAANAAGGGTTTCTAAAAACATGGACCGGGAGGT
TTGAGAATGAAAGCTTCTTCATGGGAGTAAAAAATGTATTTAAAAAGGAAAATTTGAGG
AGNAAAGGGACCTACCAGGAGCCCCGAATTTAAATACCAATTAGAAAGGGCCAATGCT
TTTTTANNATTAATAATGAAAGGGNGGCTTAAACCAAGCCTTTAAAGGGTTTAGTNTTT
AAAAAGTTTTNGTTAAGGGTGGAATTTAAAAAATAAATTTTGGAAAAGGGCCGAATTC
CTTTTTTAAAAANAANGGANGAATTTNNAACCCCNAAAGGGGTGGANTTTAAAAAAGAA
CCCTTTGGGAAAATTCCCCTTGANCNNCNAGGGGGAGNGAATTTGGGCGNTCATTTTTA
AAAAAGCCCNNTAGTTTTAAACGGCNNTTTCCCTTAAACCGNCNGGACCGGAANATTC
NTTATATNAAAATATNTTTANTGGTTTCCCTTNGGGCCCCGGCTTTNTTAGAAAANCT
TAAGGGGGGAATCCCC

Sequence 4169

TCACATTAATTGCCGTTGCCGCTTCACTGCCCGCTTTTCCAGTCGGGNAAACCTGTTTCGT
GCCAAGCTGCATTTAATGGAATCCGGCNCNAAACGCCCGCTGGGGAAGNAGGGCGNGTTT
TGCGTATTTGGGGCCGCTTCTTCCGCTTCTCGGCTCACTTGAACCTTCGCTTGCCTCG
GGTCCGTTTCCGGCCTTGCCGGGGCCG

Sequence 4170

GACGCCTGGGCGCATGCCCCACAGCCCCTAGTCAATGCTGTCCCTGTGCANAATGTATC
TGGGGAGACTGTTTCTGTACACACAGTTCCTGGACAGACTTTGGTCACCATGGCAACCGC
CACTGTACAGCCAACAATGGGCAAACGGNAACCATTCCTGTGCAAGGTAAGGAAGGCAG
AGTTGGATATTGAGTTCCTTCTCTGTGGCATGTATTGAAAAGTTACCCGAGGTTTGGCTA
GAGTGACATAGGGGACAGNNGAGTGATGGGGAGAGAGGGTTTGGGANAGCAGAAATTTGA
AAACCTTTGCCCCGNAAGAACCTCTTAATTATNAACATNTTCTTCATGCCTTTTTTCTC
TGTCACCTTAGGTATTTGCCAATNAAAATGGAGGGG

Sequence 4171

GGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGATTTATCACATAGCCCCCTTAGCCAGT

Table 2

TGTATATTATTCTTGTGGTTTGTGACCCAATTAAGTCCTACTTTACATATGCTTTAAGAA
TCGATGGGGGATGCTTCATGTGAACGCGGGAGTCAGCCGCATCTTCTTTTGCCTGCCAG
CCGAGCCACATCGCTCAGACACCATGGGGAAGGTGAAGTTCGGAGTCAACGGATTGGTC
GTATTGGGCGCCTGGTCACCAGGGCTGCTTTAACTCTGGTAAAGTGGATATTGTTGCCA
TCAATGACCCCTTCATTGACCTCAACTACATGGTTTACATGTTCCAATATGATTCCCCCA
TGGCAATTCCATGGCACCCTCAAGGCTTGAGAACGGGAAGCTTGTCTCATCAATGGAAAT
CCCATCACCATCTTCCAGGAGCGAGATCCCTCCAAAAT

Sequence 4172

CGGCCGCCCCGGGCAGGTACAGAGCATAGTGAAGCATGATGGGTGGTAGTATTAGGAGAAA
AACATCAGTCAAATTAATTTAGCAGAGTTTATTTGAGCAAAGAAGTGACTCATGAATCG
GACAACTCCCTAAACCAGGAGAGACACCACACGGCAGTATGGGCAAGCAGTATTCACAGG
CAGAAAAAGGAGGTGACATACAGAAACAGCCTGGCTGGCCACAGATCACAGCTTGCCCTTA
CTTGGTCACAGTCTGAGGAAC TAGCAGCCTGTGGTGGACTGAAAGCCCAGCTGCTCTGAT
TAGCCAACATTTGGCTACTTGTGCGCAAGAATCTATTATCTGGGCCGGGTGCAGTGGCTC
ACGCTGTAAATCCAGCACTTTGGGAGGCCAAGCGGTTGATCGCCTGAGGTCGGGA

Sequence 4173

TGGACTCCACCGCGGTGGCGGCCGCCCCGGGCAGGTNCTGGGTGCTTGGTAGTTAAGGAAG
TNTCAGCTGCTGGCTCAAGGGTAGATTCTAACAGGAACCTCCAAGCTGGAGAAATATCAG
GCTACACCGCAGAGAGGGGAGGAGGGTGAGGGAGGCGCCTGCTGGTGTGAGCCGTGACCT
GGCAGCAAACAGTGGTCTCTTACCGATGGAAAAGGGGCACAAAAGCATCACTCTTCTTAA
CTGCCCCCTTCTCATTACAGGAAATGCTGGGGATTGAAGTCCCTGGGGGTTGGAGGAAAGAA
ACTGGGGTCTCTCAGCACCAGAGCCCAAGCATAAGGGGTACCCTTCGGCCCCGCTCTAGAA
ACCTTAGGTGGGATCCCCCGGGCTTGCAAGGGAATTTCCCATATCAAAGCCTTTATTC
GATTACCCGGTCCGACCCTTCNAAGGGGGGGGGGCCCCCCGGGTACCCCAAACCTTTTTTG
TTT

Sequence 4174

TGCATAGACTAGTCAGCTTCTGGGGTGACTAGAGCAGGGCTGTTGTCTCCACAAGCTTCA
GCCGTGCGCGGACTGGTCAGCTTCCGGAGTGACCAGAGCAGGGCTGTTGTCTCTCACTG
GCACCTTGGTTCCATCGTAGGATCAGCTGGGTGTCATGGTCTAGGTCCTGTTGGCTGGTC
CACTTGTCTCTGGGCTGCTGGTTTCAGCTGACTGGATGGATGGATCCAAGGCACAATTCCT
GCAACATTTCTAGGCTTCCAGTGGGTCTGGCGTCTTAGCTGTGGATCTCCCAATACCTG
CAGGTAACGAGGCCACAGAAGCTGGGCCTCTAGGAGCAGAAGACACAGAGCAGTGAAGAC
TACACCAGAAGCTCCGCTGCCGCCAGAGACAAAGGCCCGCCCCC

Sequence 4175

ACCTTTAATAATATTTTATTTAACCTCATATATCCAAAACATTATCCTTTAAGCATGTAA
TCAATATAAAAAATTATTAATGAGACATTTTACATCCTTTGTTTCACAGTAGGTCCTTGA
AATCTAGAGTGATTTTATACTCACAGCACATCTCAATGTAGACTAGCATATTTCAAGTG
CTCGGTGGCCATATGTGACTAGCAGCTACCATAGAGGGCCACAAAGATCTAGACCCCTAA
GAGTTACACATACATAACAACACCCCTTTAATAATCTCTTCCATGTTTCTATAATGATCCA
AAGAGGTAGTGCTCTACTCTCGTTTCTATGCTTACACACTTCTGGGATGAAATTACAGGG
ATACCATCCAATGAATGCCTGAAATTCCACCATGGTAGCTTACACTCAATTCTTTAAATA
TACTGTGCTTCAAGTTGTGTTTAAACAAAAATGCCCCAAAAGGGGGAATACTCTAAGCTA
ATATCTGTCTATCATTAAACCTTAGGTTACATGAAGGGAAGTACAGCACATCCAGGGGA
GAGCCAGTAGGGGCACAGAAAGACAAAATCAGATGGCTGGACTTT

Sequence 4176

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAATTAGCCGGGGCAT
GGTGGCTCACGCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACA

Table 2

GAGCAAGGACTCCATCTCAAAATAAAGTAAAGAAAGAAACAAAGAAAAGGAAAAGCTTAT
ATTGGAACCTTCTCTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATCTTAAATT
TGGGCAAGTCGGATCAATTAAGGGATATTTATTTGCATCACAAAAATTAATTTCTTTTA
CTCCCCCAAAATCAATAAAAAAGTTCAAAATAGCAACTTTTTCCCTAATGTGTTTTAA
AATGGTAATCCACCCAAAATACATTGTGTCCCAACTTTCTTTCCAGTTATAATTCTATT
GTGTAAAAGTGAGGTATACCTTGAAAGTTGAGGCAATAAGAAGAGTTGAGCTTTCAAGAC
CTTGCCCTGGAAAAGGAGCCTTGTTCTTTCTTTAGAGTCTTGAAAGGAAAATTGGGTTTN
GGGGGGGCCCCAAAATCTTCTCAAATCCTTTTTCTTTTTT

Sequence 4177

GNTACTCCACCGCGGTGGCGGCCGCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTGG
GGGGGGGGGCGGNANAGCAANAAAAANNNGTNTATGCTGACGGCCAACATNATCCAAGAG
AGACAAGATGGGAAAGTTGCTGAGACAAGAAAGCCTAGGGAAACTTTAGGCTAGATACAA
AATTCACACAGGGAAAGGCACGGACTCTGGGGAGACTGGGAAGGTCCTCAGCNCATTNAG
CACCATGTGGACCGAGCTCCGCCCCATGGNGCCCGTCACCCCGGACAGGNATTATGCCTT
NACAAAACGCTTTCATAGGTGTGGATTACAACCCATTGNTNGTCCTCATTGCCCCNTGCA
CACNCAGCATTCTACTACCTTCTTTCCTCTTGTCATTTTGCTCACCCCACTGGTGGACA
AAGAAACATGCCCGGGATTTTCAAGCCACCCCCATTGAACGGGNGCCCCATTTTCTTCC
CTTTGTCAAACANCCCCGGAAGTCCCTTNCGACATAAATCCTCANTAGGGNGGCCCTGG
GTCCTTTGGTTTCTTGCCACTTGCTTGCAAAGNCANTGGGGCCAANAAAAGGTNGCTT
CAAAAAGNTCCCAACAACCTTTTTACCATTTCATTCTTTCAATTAACCTTNNGGGG
CCCGNCTTCTTAGGAAACCTTAAGNTGGGNATNCCCCCGGGGGCCTTGGAAGGGAAAT
TTTCGTATTATTTCAAAAGCCTTTANTTCCGGATTNACCCCGGNCNNAACCTTCAGAAA
NGGGGGGGGGGCCCCC

Sequence 4178

ACCTCAGTTTTGTCCTCTTTAAATAAGGAAAATATACCTTGTAGGGTTACTGTGAGACT
TAAATGAATTACTAAATGTAAAAAAGCTTTATAAGATTCTTGGCACATGGTAACTGCCATA
CCTATTACCCATAACTAAGTATTTTTACACAATTTACTATAATATAACCACAATTCTT
ATTCAAACATCCTGGACCTAGCTAACAGTGACACGTGATGATTTCTGAATGAGTTTTGAG
AAGAACTGAGTCCCAAAGAGTGCAACTTTCTCCCACTGTCAGAAGGCCTACACACCACT
CTTCTCAGAGAGGTGGAAGAATTGAGCTGTGCTTTGGAAGTCTCGATTACATCAGGAACA
GATTGCTGATTGGTGACAGATAGCAAGTGTTAATAAGTGATGTTGGTGCTGAGACAAAGC
TGACATCTCTTCATTATGCTCCAATACAAGCATATCCCTTGTCCTCAATGCCGATTG
GCTGCCTTCTATTTTAATTA

Sequence 4179

GCATTGNACTACANGAAGAGGCANGGANANNTCANGGATCAAAATTTAATTAAGAAAA
GCCAANTCATTAAAAATAGCCCCCTNATTGAAGAGTGGGAACCGTANGTGTGATGTTCTG
GCATAAGGAGTGAAAAAGAAAAAGCTCTATTACTTGAAGCTTTNACCAGGGGCATGAGA
GAATGGCCGGAAGTGAGAAACGTGTGTGTGGATGCTTACACCGATGCCGGCTCCTAATAT
TTGGAACATGGGNTCCAGAAANGGG

Sequence 4180

AGGTACTTTTAATTCTAGAAAAGAAACCCAGCTGCACACTGGCGCACNNGACCTTCATGC
ANANAAAANCTTTGGATGATTCCCCATCCAAAATATTAGAGATGAAATGAAAGCAAAGTA
GGCATCTGACAAAAGTTGCTTTTTCCCTTCTGCATTTAGGACCTCAAGTAATGTTTATC
CAGAAACTGCTATCATACAGGGATTCAATTGTGATTTAACAACATAGGCATGCAATCTG
GCAAATTTGAAAAACTCTTAACATACACCCCAAATCCCTTGCCCAAATTTAAGAAACCTA
AGGGGTGGGACACAGGTGCGTTTTTCCAATGTGCGATCTTTCTGTGGATGGGGGCTACGA
ATACCGTGGGGAGCAGAAGAAATGGGGGGAGGGGTGGGAGCCGCATGCCAGATGAGGGA
TCCTATTCAAGCAAATGGGGACGGGGGCCCTTNCACTTTTAAGCCATCTTCACCCTGCTCC
TCTTCAGAGGACCCGCTTTCATTGCATTACGCTGTGGATGGTAGGCACCGAACACCAG

Table 2

GTNCAACCCGAGGGACCGAGGGAGAGCAGGAGCCTTGGTGCTCTCTTCTGCATCTTGAGGC
AGGGACCAGCACCAGGGGTACCTGGCCCCGGGCGGGCCCGCTTCTAGGAACCTAGTGGG
ATTCCCCCCCCGGGGCCTGCCANGGAATTTCCGATTATTCAAAGCTTTTATTTCGANTACC
CGGTCCGACCTTCGANGGGGGGGGGC

Sequence 4181

CCACCCGCGGTGGCGGCCGCCGGGCAGGTNCAGCTGAAGAACATTCAGCTCCAGCACGAG
AAGATNCAGAGCAACTTGGAAACCCCAAAGGGAGACACACCCCTTAACACTGCCGTGCTGT
GCTGTGCCCGTGTCTGAAGGAGGAGAGGCCCTATCTCCTCCTGGTTTTGTTGCTGACA
TTGCAGCTGATCATGCCTTGACTCCTTCATCTCTAACAGAGGAAGAACTTGATTATCAA
ACCTTATGGNCTACCCAATGAATAAATAAATATTTGGTTCAAGGCGCATNTGGANANN
TGAAAAATNGNAANGGTTCTCGGGCCGCTCTAANAACCTNAGNGGGATTCCCCCGGGG
CTGCAGGGAAATTTCCGAATNTTCAAAGGCTTTAATCCGGATTACCCGTNGGACCN TTC
GGAGGGGGGGGGGGGCC

Sequence 4182

CCGGGCAGGTACACGGGGGAGGTTAATTTCTTTCTGTTTGAAGAGTGGATGTTGGT
AGACACTGGTCGTTTCTATTACGGCCTCCTGTAATTTTAGAAAACCGATATTTGTCATGA
CCTGAGGAAACATCTCATTTCATGGCTTTTATAAGACATAGTCAAATTCAGCATCAACTCT
CAGAAGATCTTTCTTGAGTCTAGAAGAAGAAATACAGAAAGGGGTTTATTGATGTTTCA
AAAAATCAAGTGTGTGGAATAGTGAAGAATGATGATGGTGTCTTCCCTGTCAAATAAG
TATCCATTTTCAGGTTGTTTCATGATGCTAACACACTTTACATTTTTGCACCTANTCCACAA
AGCAGGGACCTGTGGGTGAAGAAGTTAAAAGAAGAAATAAAGAACAACAATAATATTATG
ATTAATATCATCCTAAATTCTGGACAGATGGAAGTTATCAGTGTGTAGACAAACTGAA
AAATTAGCACCCGGATGTGAAAAATACAATCTTTTTGAGAGCAGTATAAGAAAAGCACTA
CCTTCAGCCCCAGAAAACAAAGAAGCCGAANGCCTCCC

Sequence 4183

CCGGGCAGGTACCAGAAGCGGGACTTGGCGACGACATGATTAGGCGCAAAGATTCCGCATG
CGGTAGAGGGGGCGGCGTGTGGCATTGTTGGGGTGGGCAGGCAGCGACCCCTTTCAGCAGGT
CCAGGAAACCAAAGGCTAGAGCGGCCCTTTCGCAAACGGTTCAGCTCCTTATAGAATGTCT
GTGTTTTTTCAGGTAGTTTCTTGCATTTCTTAAATCTTCTGTACCT

Sequence 4184

TTGGAGCTCCACCGCNGTGGCGGCCCGAGGAACNAGAAANNANNNATATTNTTNTTCT
ATTNTTAAGGGAATTTTANAGTATTTTAATATAANACAAGTTCCAATCAGGNGGGGTCNG
GNACATTTNAGTTCTTCACTGCCAAACCGGGGGCAGGGGACTGCTTCAGTTTCTCTGC
CTTCTCTTTGTCAGNGATGACCAGGGNGTAAAGGTATCTGCTGCATCNAACTTTAAACTT
CACGNGTCTTATTTTCTTGATCTNGNACANATTTGGCATCCTTTCGTCGGGCTGNGA
GCAGGAAAGTCTTGATTTCCTCAATTTCCGAGGCANTGGCANACNAGGCNCNCTTGG
GCTCTGGCCGGCGGGACCGGGACCCTTTCTACCCCCCGNNNTCACCCTTAGNAGNN
CCACTTCACAGGCANGCANGCCCCGNGGTACCTGCCCCGGGCGGCCNCNTCTAAACT
AGGGGGANCCCCCGGGCTGCAGGNAATTCGATANTCAAAGNCTTAATCNGNATNCCCG
NGNGACCCTGNGNGGGGGGGGGGCC

Sequence 4185

GCGGCCGCCCGGGCAGGTACGCGGGANAGTCTCGCTCTGTTGTGGACTGGAGGACTGTG
GCGCCATCTCGGCTCACTGCAACCTNTGACTCCCTGGTTCAAGCGGTTCTCCTGCTTCAG
CCTCCTGAGTGGCTGGGATTGCAGGCACACGCCACCACGCCAGCTAATTTTATATTTT
TAGTAGAGACGGGGTTTACCGTGTGGCTAGGATGGTCTCGGTCTCCTGACCTAGTGAT
CCGCCAGCCTCGGTCTCCCAAGGNGCTGGGATTACAGGCGTGAGCCACTGNGCCTGGCCT
AATGTCTTCTTTATTTTCTTTCTTTCTTNTCTTNTCTTTTTTTTTTAAACATANA
TGGAAGTCCCTGCTTCTGTNGCCAGGCTGGGAANTGCAAATGGGCACCGATCTTGAC
TTCATGCAACCTTNCCGCCTCCTTGGGAATCAAGGNGGATTTTTTCCCTGCCTNNAGCC

Table 2

CTCCCCAAAGTTANCTTGGGGATTAACCAAGGGGGGCCAC

Sequence 4186

CCGCNGTGGCGGCCGAGGTACGCGGGTGAGTCACGCTTCCTGATTCTCGGCGCAAAGGA
GACGNNTATCCTTTCAAATTCCTGCCTTCCCCCTCCCTTTTGCACACACACCAGGTTTAA
TAGATCCTGGCCTCAGGGTCTCCTTTCTTTCTCACTTCTGTCTTGAAGGAAGCATTCTA
AAATGTATNCCCTTTCCGTCCAACAACAGGAAACCTGACTGGGGCAGTGAAGGAAGGGAT
GGCATAGCGTTATGTGTAAAAACAAGTATCTGTTATGACAACCCGGGATCCGTTTGCAA
GTAACCTGAAATCCATTGCGGACATTGTGAAAGGCTTAAATGAGTTTAGATGGGGAAATAA
GCCGTTGTTATCCGCCTTGGGTTTAAATTTATTTGAATGGAGTTCCACTTGTATCATTGG
CCCTACCCGAGGGAGAAGAAGGGAGTTTGGTTAACTGGGGCCCTATGTAAGTAAGCCC
TCATTTTAC

Sequence 4187

GNAGCTCCACCGCGGTGGCGGCCGAGGTACTTATGTGGCATTGGCGGAGGGACCAGGCT
GACCGTNTAGGNCAGTCCAAGGCTGCCCCCTCGGTCACTCTGTTCCCGCCCTCCTCTGA
GGAGCTTCAAGCCAACAAGGCCACACTGGTGTGGTCTCATAAGTGACTTCTACCCGGGAG
CCGTGACAGTGGCCTGGAAGGCAAGATAGCAGCCCCGTCAAGGCGGGAGTGGAGACCACC
ACACCTTCCAACAACAAAGCAACAACAAGTACCTGCCCGGGCGGCTCGCTCTAAGAACTA
AGTGGGGATCCCCCGGGCTTGCAAGGAATTGATTATCAAACCTTTATTCGAATACCCGTT
CGACCTTCGGAGG

Sequence 4188

ACGCGGGGGTTCTGAAGCGGCGGCCAGAGAAGAGTCAAGGGCACGAGCATCGGCCATGCC
TTTCTTGGACATCCAGAAAAGGTTCCGGCCTTAACATAGATCGATGGTTGACAATCCAGAG
TGGTGAACAGCCCTACAAGATGGCTGGTCGATGCCATGCTTTTGAAAAAGATGGATAGA
ATGTGCACATGGAATCGGTTATACTCGGGCAGAGAAAGAGTGCAAGATAGAAATGGAATG
ATTTCCGTAGAGTGTGTTGCTTCGGCAGAAAAACGATGAGACGTTGCAGGTTACCCCTGCC
CGGGGCGGCCCGCTCTAGAACTAAGTGGGGATCCCCCGGGGCTGCAGGGAATTTCCGAT
TATCAAGCTTATC

Sequence 4189

CGCGGTGGCGGCCGANGTACAGTACAGGCTTNTCTGNTNTCTCCANGCAGTGTNGTAGT
NNAGGAAAAGGGCAANANNANTGNATCNTTNTTAGACACTAATCAGCTGGGGAAAGAGT
TCATTGGCAAAAGTGTCTCCCAAGAATGGTTACACCAAGCAGAGAGGACATGTCACTG
AATGGGGAAAGGGAACCCCGTATCCACAGTCACTGTAAGCATCCAGTAGGCAGGAAGAT
GGCTTTGGGCAGTGGGCTGGGATGAAAAGCANGATTTTGAGGATACCCAGCTCCCGGAAA
CCGAGGTCAATCTTTCTACAAGGGTTTCTCCCTTCACTTGGAGACAAATGGAAATCAA
GGGGTTGGATCATTTCTCTTGGAGGGGGCTTGAAGAAGGGTGCCTTTCCCTTCCGAATTT
TTCAACCTACCCAACAATTTAAGCTTTGGGCTTCTTCTTGTNCTNNAAGAAGGGGTTAT
CTTTCTTAANNAACTTAGGGGGGCTTTTGGGTTATTATTATTGGTGGGGNCCAAAAAAA
CGGAAATTTAAGTTTNAATTTAAATGGGGCNTTTCCCGGGCTTTGGGCCTGGAATNGA
ACCGTTNCCCCCAACTTGGACCAAGGAAGNAAAAAGGGGAAGGGGCTTGGGTTAAAGG
GAAAACCTTGGGGG

Sequence 4190

TCATNAACTTCTTAGTGAATTNTGACAGGCAAGAAGATGACATTCACTTAGTGACATTAT
GTGTGACAGAATTAATGACCCGGGAAGAAAACGAAAACCACTTTCCAAGTAATATATGG
CATTGCTGTCAACCATTAAGACTGCAGAGATTTACAGAGCATCCTTTCAAGGATCGGGGT
CCCGGAGGGAGCAAGCTTCGTGCTGCGCCGAACCTTTAGCAGGGAGGACCAATGGATNAAG
CATTTATGGATGCANGNAGACAGGAACAACCTTCGTTATANGGGACCCGTACCTGCACCGG
GCCGGCCCGCTCTAGAACTAGGTGGGATCCCCCGGGGCTGGCAGGGGAATTTCCGGAT
ATCAAGCTTTATCCGATACCGTNGACCCTCCGAGGGGGGGGGCCCCGGGTACCCCAAGCT
TTTTTGGNTCCCTTTTAAAGTGGAGGGGTTTAAATTTGCGCCGCTTGGCCGTAAATCAA

Table 2

TGGGTCAATAAGCCTGGTTTTCCCTTGTGGNGGAAAAATTGGTTATTNCCGCCTTACCA
ATTTTGCCCNACCAAANCATTACCCGANGCCCCGGGNAAGCCATTAAGGGGNNAAAA
GCCCCCTGG

Sequence 4191

ACCTGTCATTTGCCTTTGAGCATTGTCACCGTTCTAGTCAGAAGAACAAAAGGATGATTC
TGATCTATTTGCTTCCAGTAAAAATGCTATTGGGTCACATGCCCACTGTGGAGCTCCTGA
AAAAGTATCACCTGATGCAGTTTGCAGGAAGTAACCAGAGCTGTGAGCGAGGGCAACCTGC
TGCTGCTGCACGAGGCGCTGGCGAAGCAGAGGCCCTTCTTATTGCTGCGGAATCTTCC
TCATCCTGGAGAAGCTGAAGATCATCACCTACAGGAACCTCTTTAAGAAAGTGTATTTGT
TACTGAAAACACACCAGCTGTCTCTGGATGCTTTTCTGGTTGCCTTGAAGTTCATGCAGG
TGGAGGACGTGGACATTGACGAAGTTCAGTGTATTCTGGCTAACTTGATATACATGGGAC
ACGTCAAAGGCTACATATCGCATCAGCATCAGAAGCTGGTGGTCAGCAAGCAGAACCCAT
TTCTCCCTGTCCACGGTGTGTTGAAAGTACCTGCCCCGGCNGCCGGCTCT

Sequence 4192

GCANCTCCACCGCGGTGGCGGCCGAGGTACAAGTAGCATAGAAAGACCAGTCCTTGCTGA
AAGACAAGTCNGAATGCTCCACTTTTTCAATTCTCTCTCCATTCTCANTAAGTCAACTT
CAATGTCCGATGGATGAAACCCAGACACATAGCAATTCAGGAAATTTGACTTTCCATTCT
CTGCTGGATGACGTGAGTAAACCTGAATCTTTGGAGTACGCCCTTCGTAAGGCGTCNCGGN
CCCCCGGGNGTCANANNCNTATCACCAAGGCTGNGGGCCCGCCTTNTAAANAGCCGTAAN
CGGGAGTTTNTCTGGCTTGCTCTTGAAGAAAGCGTTGGGCTTGCCGCCCGGCTATGGAT
TGTGGCAGNAAAAACAACAGCCGNATCAAACTTGGGTCTCAAAGNAGCCCGGGTTGAG
CAAAGGGGCCACTTCTTGGGTGCAAACCNAAAAGGCCACCCGGNTGCTTCNNGGGCTCCN
TTTTAAACTCAACCAAGGAAANGGCAAGCCCTTNCGGGGGGAAAGGCCCNAAANCCCC
CAAANGGTTTTA

Sequence 4193

CATATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTAAGTCCACCATCTCCGT
TCCAGGAGTCTTCTGCTTGTCTTTCTGGTCTTCCCTACGGATCCTGAAGGGGGGTCTC
TGCAGAGCGACCACCCCATCTTCTGGGAGAGCTGGTTCAAGATTTTCTGCTGTGGACC
AGCTGTCTTCTTCTGAGGAGGCCCTCTCATTTTACTTCTCTGCATGTTGCTTCTAGT
TGGTTTTTTGAAGTTCTCTTCTTCTGCAGATTGCTGTCCACCGAGGTTGAGAACCCTGCT
TTCTGGGAACCTCATTAACCCCTGTTTTTTATTCCAACCAACAATCTTCTTCTTTCCCT
TCCAAGAACTCCTTAGTNGACCCGCGTTACCTGCCCCGGGCCGCGCTCTAGAACTA
GTGGGATCCCCCGGGCTGCAGGGAATTCGATATCAAGCTTATCCGATACCGTCCGACCTC
GAG

Sequence 4194

CCACCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGCCTTCTTTGCTCTTCCCGCT
GCTNCGCCCCTCTCTGTCTTCTCTGCAGTGGGAGCAGCTCTCCTGCCACAGCTCCTCACC
CCCTGAAATGTTGCGCTGCTCCAAGTTTGTCTCCACTCCCTCCTTGGTCAAGAGTACCT
CACAGCTGCTGAGCCGTCCGCTATCTGCAGTGGTGCTGAAACGACCGGAGATACTGACAG
ATGAGAGCCTCAGCAGCTTGGCAGTCTCATGTCCCCTTACCTCACTTGTCTCTAGCCGCA
GCTTCCAAACCAAGCGCCNTTTTTNNAGGGNACATTCGNCAACAGCANCCAAGNTTCATT
TGGGAAGCCTGGGGCTGCCACAANNTGGGGGTGGGCTGGNTCTGGGGCTGGGATTNGGAA
ACTGTGTTNTGGGAAGCCCTCATCAATTGGTNATGGCCAGGAACCCCTTNTCTGAAAGC
ACAAGCTTCTTTTTCTAACGCCCATTTCTNNGGGCTTNTGCCCTCTCGGGAAGGGCCC
CATGGGG

Sequence 4195

ACCGCGGTGGCGGCCGCCCGGCAGGTACGCGGGGGACTNTANGAGCTGCAGCNGAGCAGGT
ANCAGCTCTNGCACCTGTTTTCTNTTGCACCTGACGTGCAGCTGCTCCTACCCACCTCTC
CTGGCTGAGCCTTGCTGATACAGCAGCCCGGAGGCACCACTTGCTTCCCGAGTCTCACC

Table 2

CTCCCAGGCAGCTCCTACACTCAACNGCTTCTCTAGGAAAGGTCTCACCTNCAGCCTGGA
GCAGTCGGGATTTACAGAAAGCCCCNTCCTTGGCTTANGGGAGCCGCCATGAACGACTGA
AAATTGGTTGGTGAAGCTGACTTTCCTCCGGAAAAAGNAAATCCACTTCCCAAAGTGC
TGTTATGAANATCCCTGACACCCTAT

Sequence 4196

ATGGAATCCACCGCGGTGGCGGCCGCCCGGGCAGGTACCAGCAGCGCCCGGGCAGTTCCC
CCACCACTGNGATCTATGAGGATAACCAAAGACCCTCTGGGGTCCCTGATCGGTTCTCTG
GCTCCATCGACAGCTCCTCCAACCTCTGCCTCCCTACCATCTCTGGACTGAAGACTGAGG
ACGAGGCTGACTACTACTGTCAGTCTTATGATAGCAGCAATCAGGGGGTGTTCGGCGGAG
GGACCAAGCTGACCGTCTAGGTGAGCCCAAGGCTGCCCCCTCGGTCACTCTGTTCCCGC
CCTCCTCTGAGGAGGCTTCAAGCCAACAAGGCCACACTGGTGTGTTCTCATAAANTGGCT
TCTACCCCGGGAGCCCGTGGACAAGNGGCCTGAAAAGGCANGATAGCANCCCCGTCAAGG
GCGGGTAGTGGANACCACCATCACCCCTTCAAACAAAGGCAACANCAAGTNCCTTCGGG
CCCGCTTCTAAGAACTAGTGGGATCCCCCGGGNCTTGNAAGGGAATTCGAATNATC
AAAGCTTTNTTCGAATTCGCCGNGACCCCTTCGGAGGGGGGGGGGGCCCCCG

Sequence 4197

GGCGGCGGCCGCCCGGGCAGGTACGCTGGATAGCCTCCAGGCCAGAAAGAGAGAGTAGCG
CGAGCACAGCTAAGGCCACGGAGCGAGACATCTCGGCCGAATGCTGTCAGCTTCAGGAA
TCCCCGCGTACCTCATCCACAGGGCCTCCTGCCAGCCCCAGCCCTGGAGAGGATGCAGA
AATGAAAGAACCAGAGCATTATAGCAGAACGAATCCTGGAATGGAATGGAATGCCTGGA
TTNGTGGCACAGTNGGAAGCCGTCCTGGCCA

Sequence 4198

ATGGTGAAACCCATATTCTATTAACACACACACACACACAAATCGGGCATGATTGG
CATGCACCTGTAATCCCAGCTACTTGGGAGGCTGAAGGTGGGAGGATGNGCTTGAGCCCA
GGAGGCAAGAGGCTGCAATAAGACATATTAGGCTACTGCACTCCAGGCTGGGCCGACAC
ANCGAGAACCCCTCCCCACCCCCCAAAAAAGGAAAGGAATTAATTTCCATAAAACGGG
GAAGGGGCAGCCGGGGCTTGGGGATCTTGCCACAGNTTCTTAAGTCAAGGCCGGCATT
GAANTAAGGGGAGGCTTTTANAGAGCTGGGAGCANACAAAAACCAACAGNTAAACGA
GGCAACACTATGCTACAAGGGGTAAAGCCCTTNCCTCANGGAGCTCAGGTGCTNCGAGCA
TTCCACAGCNCTCTTTTAAAGACCAAGCAGAAAANTACCCCAAGGGAGAAAAAGCACCGN
CCACAACGGNATAAAGGGCCCCGCTGAAATCNGGGGGGACCAAAAGCCAGACCNGCCC
GCTTCNTAGAACTAGTGGGATTCC

Sequence 4199

CGCCCGGNCAGGTACCAGNAGGCGTTGGCCAAGGGGAGATGNGACAGNCCANATAGCTCT
TCAGCCTNCNCTTGAAAGTCAATGGTGGTGGTCATATCAATCATAGCATTTTCTGGACAA
ACCTCAGCCCTAACGGTGGTGGAGAACCCTAAGGGGAGTTGCTGGAAGCCATCAAACGTT
GACTTTGGTTCCTTTGACAAGTTTAAAGGAGAAGCTGACGGCTGCATCTTGTGGGTGGTC
CCAAGGCTCANGTTGGGGGTTGGCTTGGGTTTCAATAAAGGGAACCGGGGGGACACCTTA
CAAAATTTGCNTGCTTTGTCCCAAAATTCAGGGATNCCACCTGCCAAGGGAACCAACCAA
GGCCCTTTATTCCCACTTGCTTGGGGGAATTGGATGTTGTGGGGGAAGCACCGCCTTACT
TACCTTCAGTTATTAATAAAAAATGTCAAGGCCCTGATTTATCTAAAAAGCCTATTTTGGG
GAAATGGTAATCAACTNNGGGGAAGAAATGNTAACTTGAAAAAGATACATTGGGCTTGGCA
AAAAAGTAAACCCACGGATCCGTTATTGCCTGATCATTACCCCTTAATTGGATCCCCA
GCCAANGATAATGGTCCCTGTCTTCTTAAAGATGTGNCATTNAAAGCCTTGGTTCCTT
CGGCCCGCTTCTANAACTAGTNGGATCCCCCCCCGGGGGCTGCAANGAAATTCGATA
TTCAAAGCCTTTATTCGNTTACCCCNCTCNACCCTTCNAAANGGGGGGGGGCCCCC

Sequence 4200

CCGGGCAGGTACCTTGTCTCAAAGAGCTTTATNAACTAGNACATTTTCGAAGAGCTCTA
TNNTGNNNCTCANCATGGCAGGTTTTTTACTGAAATCTCTTATCTGGAAGGATGGGCA

Table 2

GTAAAGAGACCCGGACCCTTCCCCGAGCCCACTGGTTGCTTGATTTCATATCACAGCTCG
CTTTGAGTAAGTGGTAACCACCAGAATAATAAGCAGATTGCTCCTCCAAACCCAGCTGGG
TGAAGATAGCTTCATTTTTGAAAAATCAACTGGAAATCATGAAAAACCCCTCCTAATGGT
ATAATTTGTTCCAAGAGTTCTTTTTGGTACTTAAGGAAGGGGAAATATTTAATCCTTGG
TGCCACAGGTCTTTTATTACAAGGCACTTCTTATTTTATGGGTATTACCAGGAGGTTTT
CTTCTTCCAAGCCCGGNNTTTNTTTNGGNGAGGGTTNAANTGGCTTNTACCCTTGCC
CGCTNTAAAAAACCTANGGGGGTCCCCGGGCTGGNGGNGGAAATTCGGATTNTTCAA
AGGNTTTTTNNGAATACCCCGGTACCANCCNTTCGGNGGGGGGGG

Sequence 4201

CTATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGCCGGGCAGGTACAGGATGGCAT
AGTGAAGGCCCTGAATGTGGAACCAGATGGCACAGGCCTCACCTGCAGCCTGGCACCCAA
TATCATCTCACAGCTCTGAGGCCCTGGGCCAGATTACTTCTCCACCCCTCCCTATCTCA
CCTGCCAGCCCTGTGCTGGGGCCCTGCAATTGGAATGTTGGCCAGATTTCTGCAATAAA
CACTTGTTGGTTTGGCGCCGCTCTAGAACTA

Sequence 4202

GGTAGCTCCACCGCGGTGGCCGGGCTCGAGGTACGCGGGGGACCCGATNTAGGGAAAGNA
AGGGGTATTCTATAAANTATNGATNGTAANNNAGNAACCATNGCCCTGGCNAGGAAAGGNA
AANTGGTTTTCTCTCCTGGCCGTAATGGTTAAAGAAGGGNAAAAATCAAGTTTTAAAA
AATNGCCTNGCTTAATCAAAAATGGTTCCGNACTTCAAGCCTTAAACCCCATNATGGTTC
CCCAGGGGTTTGGCCTTGCAAGAAAGTTTTNTCTTTTCAAAAATCTTGAAGTNGTTTT
GGCCCTTGCCCTTGAAACTTCCGGGAAGGGGGGAAGTTTTTGGGGAAGAAAAATTTT
TTAAGNACCAAGGCCAAGCCTTCCTTGGTGGGTTTTCTTTTTTTTTTTTNGGCCCGCC
AAACCCCAAAATTAAGGAATTANAATTAGGCCAAGGAAATTTNAAGCCCAANAATCCC
TTTAAAAAAACCCCTTTCCTTAAAAAAGGAACCGNAATTTTTTTTTTGAAGGGCCATT
TCCCCCACCTTGGGGGAATTTAATTTTTNAAAATTTTTTTTTCTTTTTTTTTTG
GAACCGTNGGTTGGTTTTTTTTTAAAGGTTTTTTAAGGAAAGGTTGGCCNTTGGTTA
ATTTTCCCCACCCAAANGGGGTTTTTTTAAAGGNTTCAAAGGTTGGGAAGGGGTTTT
TGGGGGAAAAAGGAAATTAACCCCCCTTNAATTCCTTTTTNTTTTTTNAATTTTTCCA
AAAAAAAAGGCCACCCAAAAATTCAAAATTTCTTTTTTTTNGGTTTTTTT

Sequence 4203

CGAGGTACTTATTTTTNTTTNTTTTTTTTTTTTNGGGGGGGGAAGNNATCTANCTNTNTC
NCCNTTTTNGANTGCAGTGGCNCGATCTCTGATCACTGCAACCTCCGCCTCCGGGTTT
AANTGACTNTCCAGCCTCAGCTTCCAGAGTAGCTGAACTACAGGTGAGTGCCACCACNC
CCGGCTAATTTTGTGTATTTTTTAGTANNANACAGGGTTTCACAGTGTTAGCCAGG
ATGGTTCTCNACCTNCTGACCTCGTGATTCCNCCCCGTCTTCGGGCCCTCCCAAAAGTG
ATGGGATTAAGAGGCCGTNGAAGCCACCGCGCACGGCNGGGAAAAACGAGAATTTTTTA
AAAATCAACTTTACCATTGCCAATGCCCCATGGTATTCCTCCACAACAAAACTTCCAC
AAGNANTGGCTCAAAAAAGTCAAAACCTTTGTTTATCAGGGTGGATCTTTTANGGGACC
CCCAAAAGACTACTCTTTTTCTACCCCTTTTCCAAGTGNTTTGGCCANGGCCTGGGANA
TTTGCCACCTAANCCGTTATTTACAATGGTTTTCTGNCCAGGTCTTNTAAGCCCCC
GGAANAGTTTTAAAGCCTTTTTCCCTTACCCAACCTTNAATCCTTAACCCCGGAGGT
TNNAAATGGAATTATGTTACCCCTTNGNCCCCGGGGGCCGGGGGCCGNTTCNTTNANA
AACCTTANGTGGGGANTCCC

Sequence 4204

CGCGATGCAGAAATACNAGAAAAGTGGAAAAGATTGGGGAAGGCACCTACGGAAGTTGTG
TTCAAGGCCANNTTCCGGGAGACTCATGAGATCGTGGCTCTGAAACGGGTGAGGCTGGAT
GACGATGATGAGGGTGTGCCGAGTTCGCCCTCCGGGAGATCTGCCTACTCAAGGAGCTG
AAGCACAAGAACATCGTCAGGCTTCATGACGTCTGCACAGCNGACAAGAAGCTGACTTT
GGGTTTTTGAATCTGTGACCAGGGACCTGGAAGAAGTTATTTTTGACAGGTTGCAATG

Table 2

GGTGGACCTCGGATCCTTGAGAATTGGTAAAAGTCATTTCTTCTTCCAGCTACTAAAA
GGGGCCTGGGAATTCTTGTCATTAGCCCGCAAATGTGCTACACCAGGGG

Sequence 4205

CGAGGTACCAATCCTGAAATTTTTTACAGCAATCTTCACTGCAGAAATCTCTCACAACAC
CATCGAGTTCTTTAGTTGCTCCCTTCTTACATAGCTGAGAACAATAGTTGCAAGTAACAC
ATCTCAATCCTAAACGTCTGGCAAATCCTGTTTGTATAATAATTTGCAGCCTTCACTAC
AGAAAGGTCTCTTAACCGCCAGAGAAATTTACTGTTTCATGAAAGAGTCTTCTCCTCTTG
ACAGTATTTGCAATATGTAATATGCCAATGCAACCTTCTTATAGTCATCCTGNAACAA
GTTTTTGCTGCAGGAAACCTGGATGCACTTTGTCTCCATTCCAGGNATTTCTGGGTTT
TTGGAAACAAAAGGGAATTTTTTGCAGGTAGTTGCATTTTCAACTGGAATTATCACTTT
GGGCGCCTACCAAACCTGGGCCCATTTGGGAGGAATGGACCTGGCATTACCTTAAGAAGCC
CTGGAAAATTTAAGCCACACCAAACCTGGGGAAATTTGGCCAAAAGGTTGGTACCCTGG
CCCGGGGGCCGGGCCCGCTCTTAGAACCTAGTTGGGATCCCCCGGGGCTGGCAAGGGAA
ATTTCCGATATTCAAAGCCTTNATCGATTACCGGCCGACCTTCGAAGGGGGGGGGGCC

Sequence 4206

GGAGCCCTCGCGTCGCCGCTGCCGCCAAAAGACGGCGAGCGCTCAAACNAAACAGCCCAAG
CNCGCCATGACATTATGGTTGCTTGCAAGGTCTCCCCCGCGTTACCTGCCCGGGGCGGGC
CCGCTCGAGCTCTAAGAACTAGTG

Sequence 4207

TGGTANCAAAGACAATCTCATGTGAGATAAGAAAGAAGAGCCCAAGACCAAGGATGTA
TTCTCAGTTTACAGACCACTGACCAGAGGCCACTCCAGGGTGTGAGGACTAANACAAGT
CACAAAACAGNAGATTTCCCAAGAGCAGCGGAAAATGATCCAGTCACAGATNTCATTNGA
GGATGTGGCTGTGGATTTACCGCTGGAGGANATGGCAGCTACTTAAATCCTACTCAGAA
AGAACTTGTACCCCTCGGCCGGCTCNTAGGAACNAAGTTGGGATCCCCCGGGCTGCAAG
GGAATTCGATATCAAAGCTTTATTCGATACCCGNCGGACCTTCGAGGGGGGGGCCCGGTA
CCCAAGCTTTTTGTTCCCTTTAAGANGGAGGGGTTAAATTTGGCGCCGCCTTGCCGTT
AATTCAATNGGGTCAATAGNCTGGTTTTCCCTGGTGGTGGAAAATTTGGTTTATTCGCG
TCCACAAATTTCCNCCACCANACCATTACCGAATCCCCGGNGGAGCCNATNAAAGTTG
TCAAAAGCCCCNTGGNGGGTNGCCCTTAAATGGAAAGTNGAGGCTAANCTCCACAATTA
TTTGGCGTTTGCCGNCCTCACTTGCCCNCTTTTCCAANTNCGGGGAAAACCCCTGTTCG
GNGCCCANCTTGCCATTTAAATGGAAATCCGGGCCCAACNCCCCCGNGGAGGAAGGNG
GGTTTTGGNGTNNTTTGGGGCCGCTTTTTTCCC

Sequence 4208

CCGGGCAGGTACGCGGGGCTTTCCTAGAGTCTCTGAAGCCACAGATCTCTTAAGAACTTT
CTGTCTNCAAAACCGTGGCTGCTCGGATAAATCATGACAGAACAGTTAATCCTCAATTTAA
GCCTGATCTAACCCTTAGAAACAGATATNGAACAAGTGGAAGTGACAACAAGATTGACAN
TGGAATGATGAAAATTCATCTGCGCAAGCTGCTTGGAATGTTTCNTTTCAGTCTCTCT
TCTATAANGNCCTAGTTGTATCATTGGGNANGNTANACAATTTGNAAAGNATNTTGGG
TTTGAAAACNAGANTCGCAAGCCTCGCTNNAGGGGGGATTGGTNANCCGTTCCNGGGCCCG
GCTTTNTTAAAAAAACCTTAAGTNGGGTAATTTTTCCCCCCCCNGGGGCCNTGGCGAGGGGN
AAATTTTCTATTNATTNCAAANGCCTTTAATNCCGAAATTACCCCGGNCNNNGAACCCN
TTNNGNAAGGGGGGNGGGGNGCCCCNGGGGTNACCCCCANGCTTTTTTGGNGTTNCC
CCNTTTTAA

Sequence 4209

CCGGGCAGGTACAATCTGAGGGACCTGAATCGCTGCACCCCAAGAGGGATGGTCAGAACAT
CGAGTCCAGGAATACTTCGAGTGGGCAGCGCAGGTGGTGAAGGGGCTTCAGGGAACAAAC
CGGCAACTGGAAGAGGCTCTAAAGCATCTGTTCAAGCAGCGGGGGCTGACAATCTGATCA
GTGCTTGAAGCTATCCAGAGGCACAACCTCCAGCCTCGTTCAAGCCGGACAGGATTACATAC
CGCCATCTTTTCTGGTGTCTCCTGAAGCTCCCTCCATCTTTCCCAAGAAATTTAGGA

Table 2

GGCCCCAAAAAAGACTTGGCANTTTTTTCTTCAAGTNCCTGGAAAGGTCCTTCCCTTG
CCTAACCTAAAAGNCNTGGAANCCCCCGCGGTTGGGTGGGGGAAATTCANAATTTGGT
TANCCCCCTCCGGGGCCCCGNNTTCTTANGAAAACCTTAAGGTNNGGAATTNCCCCCCCCGG
GGGCTTGGCCAAAGGGGAAATTTNCGGAATTATTCAAAAGGCCTTTTATTTCGGAATT
ACCCCGTTCCGGAACCCCTTTCNGGAGGGGGGGGGGGGGCCCC

Sequence 4210

CGCGNGGCGGCCGCCCCGGGCAGGTACGCGGGGGGAGAAGGAAGGAGGAAGAGCGGAGGC
CAGGGCGGGCTCTAGGCCCGTGAATCTGGGGCCTTAAAGCCCCCTTCGTCTCCCCAGCAC
CCACTCTCTGGGGGCAGGTGGGCCCCGGTGACAAGTAACCTTCAGGGANCCCTGAAGACCA
TGGAGGACTACTGACCAACAACCTCTGGACCTTACCCCTCTNGGATGGGGGACGAAAT
CACTAGGCCAAAGGGGAACAATGGGAAGGAAGACAAAAATGGGCTGCCTTTACAAGCTGC
AGNAAAGATTGTGGGAAAACACCTGGNTTCCCCTAGGGCACCTCCAATTTGTCTTTNCC
CNGCCCTTTTGGGGAAGCNNTTGA AAAAATTA AAANTAAAGGTNGTTGAAAAGGGGGGA
AANCATTNGACCGNTCANNANAAAAAANNNTTATATGNTTTANNANANANAAANGNT
TACCTNTGGGGCCCCGTTTCTTAAAAAACCTAAGNGGGGGGAATNTCCCCCCCCGGGGC
CTTNTNATGNAANNTTCTANTATTTCAANANGGCTTTAATCCGNATTANCCCGGTNC
CNACCCCNNTTNAAGGGGGGGNGGG

Sequence 4211

CCGGGCAGGTACGCGGGGATATTANTGCATTTCTTTCAGAGGTTACCTCTTTTTCTTGT
CTCTCGTCAGGTCTNTGACATTGACAGAGCCTGGACGTTGGAGGAAGCCCCANGACGTTG
GAGGGGTAAAGTAAATGTCCACAGTNCCCCGTTGAGAGAAAACAAGANGGTGGAAAGCN
NTGCACNCAAACTTGTGAAANAAAAGANAGGAGGAAAAGGACTCGACTTNTCATTGN
AACAACCCCTTTCTTNCAGTGCTAAAAGGGGATTCTCTTGATCTTGGGGGAAACCAACA
CCCCTTGAACATTGGGTTCGCCANAAGAATCAAATCTTGGNCCGGGGGGCCCCCAAAT
GGAGGCCCTTNANTTTTGATTAAACCACTTNATAGGGGGCCANNCTNGGGTTGGGGNTT

Sequence 4212

ACTCACTATAGGGCGANTCGGAACTGGCANCTCCACCGCGGTGGCGGCCGAGGTACTTAT
ATCTTTTGGTCTTGGGCTTCTCAAAGTTNACGACAGACATAGGCACTCTCACAGTATCAA
GCCCATTTACCGTCACCTCACACCAATACTCGCCCCACCGTGTGGTAGGCTCTGCTGGTA
ACTTTAATGTATGTGGGGCAACCACAACCAAGATTCTTAAAGAAGTGGCGGGCAACTA
TTTCAGGGTTCAGCTCCCATTTGACATTGTTCTTCATCCCTACCTCCAGGGCGACAGCTT
TTTAAGAAATTTCACTGTGCGCTCACCTGCCTTGGTCTTGGATCTTCTTAAATTTTCC
TTCTTGGTCTCAAGCACCCCGCGGTNCCCTGCCCGGGCCGGCCGCTCTTAATAAACTAGG
TGGGATCCCCCCCCGGGGCTGCAAGGAAATTTCCGATTATCAAAGCCTTATCGATACCCG
TCGGACCCTCGAAGGGGGGGGGGCC

Sequence 4213

CCGGATTACCCCGGGCGGACNCTTCTGGAGNNGGGGGGGGGGGCCCCCGGGTGACCCCCAA
NCCTTTTTGGTTCCCNCTNNTAAGTTGAAGGGGGNTTANATTTTGGCAGCCGCTTTG
GGGCCGNTNANANTCCATTGGGGTTCAATTAANNCTCGGNNTNTCCCTGGGNGGNCGG
AAAAAATTGGCTNTANTCCCCGNCTTCCACCAAANTNTCCCAACCAATANCCAAT
TAACCGGAAGGCCCGGGGGGNAAGNCCAATTAANAAAAGGTTGGTTNAAAAAGGCC
CCTGGGGGGGGGGTNGGCCCTTNAAAATTGGGAAGGGTGGNAAGNCCTTAATAACCTT
TCAACCAATTTTAAAATTTTGGCCCGGTNTTGGCCCGGCTTCAACCTTTGGGCCCCC
CCGGCCTTNTNTTCCCAAGGTTCCNGGGGGNAAAAAACCCCTTGGTCCGGNTGGCC
CAAGGCCTTGGGCAAATTTTAAAATTGGGAAAATTCNGGGGGCCCCAAAACCGGCCN

Sequence 4214

TCCCCGCGGTGGCGGCCGAGGTACTCCAGGATGGCCTCACGCTCATACAGGTAGCCATCT
GGGGTGACAACAGGATCGTGGCAAGGCTGCAGGGAGAGACAACAGCAGTCGAAGTCCTTC

Table 2

ACGGCATCCCGGCTCAGTCGAATGTTCTGGGTCCCATAGCCCGAGGCCGCTGTGTCCTTC
TTCTTCTCGTGGTAGGTGTAGACGGCCCCCTGCGGTGCAGTTCCTTGCCATGCCGCGTCATC
CTCACTAACGACTCCAGTCCCTCGGTGCTTCTTCAACTGTGCCCCGCGTACCTGCCCG
GGCGGCCCCGAGGTACCTTTCTGATTTTTTTGTCTAAGCACATTTAAAAACCAAGACTT
TTGGTTTTGAGCGATAGCTCTGAATCTCCTTTAAGGTATGAAGTGTAGGAAATTGNTTT
CTGCAGCAAAAACCTTAGGCTTTTGAACATCAAGGTGTNGGATCACTGGGAAAAATTNTT
TTTAAAGTAACCACATTAGGCGAATCCAATAATAAGNCCAAAAAAAANGGTTGGGGAAAA
TTGAAAAAAAAGGGGTNGGGTTTTTTTTTNAATTTAAAAAAAANTTTTTTTTTT
TTAAAGANAANAAGGGTTTTTTCNGTTTCCANTCACCCAGGGATTGGGGANTNANCNTG
CCCGGGGCGGGCCNGTTTCAATNTGGGGCTTTCGTGNAAAGCTTNATNCAANCCATTAA
ANCCCCAAGTTTGCTTCNATTTGGGNCGNAAAAAANAANGGTTTCNAGGTTTCNTTCC
CAAGGGGGTTAAAGGGAGGGCNTTNAAGGGANTACCGTTTGGGNAAAGAANNNTTNG
GGGGCNAAAAAGG

Sequence 4215

GCACCTTGGCCGCGTTCAGAGTGCCGATGAGCTCCCCAGACTCTGCTTCGCCCGTTCA
TCTTCCAGTTTTCCCCAACGAAGAACTTCTGAGGGGCAGCCATGGCNCCTGGAGCCGAG
GCGCTGAAGGTCAAGTGTCTGCCCCGCGTACCTNN

Sequence 4216

CGAGGTACTTGCAATGGGGCCACCATGTTTTCTCCATTAGCCAGCCCCATTCATCATGG
ATGCTATGAGTCAGCCAGGGGGCAGGCTTGCCATGGGTTTTGTGACACCCCCATCCAAAG
CTACCATGTTGCATCCCGCCATTGTCTGTGGGACCCCAAGTTTCTAGCCATGTCCAGT
TCTTCAAAAAGCTGGATGCACATGCCAAGGCAAGCCATCCACAGCTTGCTGCNTGGAAG
GGTGGTGCAGATCTAACAGTTGGAGACATTGGGGCCACCCTCAGCATAAGGGTGTGAAGC
CCCAAGTCCACAATGTTTGTGGGAAGCCATGCCAACCCCTGTGGGCNTGANGCAAAATAA
ACCTCCCCAAAGAATTTTNGGCNAGGAACAANTTACCGGGCCCCCTTGGGGACCCCTTG
GGAATTTTAATTTGGATGGGGCCCCAACTTGGAANCACTTGNCCAAAAAATGGCCTTG
TTCAACCAAGGAAAGGGGGGCCANCCACCCCAACTTTC

Sequence 4217

GCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACACCCAGTGTCTTAGGCGGGCCAAG
CCTAGCACTGTGGGAGCAAAAAACATGGCTTCATCGTCAGGGTGCGCTATGACCAGCAGG
GTCCGGCTTTCCGGCTCCAGCCGTCTCCTGCTCCCGACTTTCATTCTGTTCTGAGGAG
TCCCAAACCCAGAGGAAGCCCATGCCAAGACCCGCCAACGCCACACAGGAGCCACAT
TGCTTCCATGATGGGTAAAGCCCCCGCGTACCTGCCCGGGCGGCGCTCTAAGAACTAA
GTGGNATCCCCGGGCTGCAGGGAATTTCCGATATCAAAGCTTTATCGATACCGTCAAC
CTTCGAAGGGGGGGGGGCCCGGTACCCAGGCTTTTGGTTTCCCTTTTAGGTNGAGG
GGT

Sequence 4218

ACCTGTCTATAAGGAGTCCTGCTTATCACAATGAATGTTCTCCTGGGCAGCGTTGTGATC
TTTGCCACCTTCGTGACTTTATGCAATGCATCATGCTATTTCATACCTAATGAGGGAGTT
CCAGGAGGTTCAACCAGGATGTTTCTACACCTGTGGGTATGACAAAGACAACTGCCAAA
GAATCTTCAAGAAGGAGGACTGCAAGTATATCGTGGTGGAGAAGAAGGACCCAAAAAAGA
CCTGTTCTGTCAAGTGAATGGGATAATCTAATGTGCTTCTAGTAGGGCACAGGGGCCCTC
CCAGGCCCAGGCCTCATTTCTCCTCTGGGCCTCTAATAGTCAATGAATTGNGTAAGCCAT
GCCCTATCAAGTAAAAAAGGATTTTTTGAAATGAAAAANANTNNNNAANAAAAAATTAG
GGTACCCTTNGGGCCCGCTTCTAANAACCTAGGNGGGAATCCCCCGGGCCTGGCAGG
GAAATTTTCGATATTCAAAGCTTTATNGGATACCCGNNGACCTNCGAGGGGGGGGGCCCC
GGTACCCCAAGCTTTTTGGTTTCCCTTTTAANGGGANGGGGTTAAATTGCCNCNCCTTG
GGCCGTNAATTCATTGGGGNCCATAAGCCTTGTTCCTGNGGGNGAAAAATTGNTNTA
TTCCCGCTTCCANCAANTTTCCCCACCAACANTTACCGAAGCCCCGGGGNNNCATTNA

Table 2

AAAGTGGTAAAAAGCCCCNNG

Sequence 4219

ACCGCGGTGGCGGCCGAGGTACCGGAATCTTGCTAGGGGTAGGAGATACACCCCGGAGGA
GGGGATCCTTCGTGGCTTGCCGGGTGGTCATGATGGCTTACCGAGGCCCTCAGGGCCCTA
CCCAGCTTCCTCCGCTTTTCTCCTGACCCTCTCGGGTGCTGCTGGAGCTACTTTCTCAGT
TTGTAAAATACNCCAAGCNCCTTGATTNGCCCCCCCCGNCGTACCTGCCCGGGCCGGCAGC
NTCTANAAGTAGGTGGGATCCCCGGGCTTGACGGAA

Sequence 4220

ACTATAGGGCGAATTGGAATCCACCGCGGTGGCGGCCGCCCGGGCAGGTACCTGAAACGC
CCTCCTGAGTCTCCTCCAATTGTTGAGGAATGGAATAGCANAGCTGGTGGGAACCAAAGA
AACAGAGGCAATCGGTTGCAAGACAACAGACAGTTTACAGAGGCAGGGACAACAGATGGGGG
TGGCCAAGTGACAATCGATCCAATCAGTGGCATGGACGATCCTGGGGTAACAACCTACCCG
CAACACAGACAAGAACCCTTACTATCCCCAGCAATATGGACATTATGGTTTACAACCCAGC
GGCCTTCTTACCGGTTTACTTACTGAATAGAAAATGTTTGGCCAGCTTTTTAAGTAAAA
AAGCCATTTTACTCTTGTTTACCCAATTGNAGAAAAAGTTTGGGTGGTCTTCTGTTGGGT
TCANTAAGTTTTTACATCTGGATTTTTTACCAGNAATGGGGATTAATTTGGATTTTTT
TTTGGGAAANNNTTGAAGACTTTTTAAAAAATTTAGGAATCCTTTACCTTTNGC
NNAAAAATGCCGATTGGGGTTTGGCCTTGGGGGAAATTACCCCTGGGAAACCTGGGTG
GGGAATTTATTATTTGGGCTTTTNGGAACCTTCTTAACCCCTTCAANAAAAATNCTTTCCT
TTTTGGTTTTTNCATNGAACCTTTAAATAGGGTNGGCTTTTTAAAGNNTTNGGGTNA
NTTATTTAATTTTGGGACCCTTTTTTANGGGAAATTTCTTTTTNGTTTTTANCNCCC
AGGNAAAAATAAAAAAT

Sequence 4221

CGCCCGGGCAGGTACGCGGGTGAGATTAACCAAGGAAGCAGAGAATGGTCANAGAATG
GGATTCAGATTGGGAACCTTGTTGGGGATGAGAGTGACCAGGTTGAACTGGGAAGTGAAAA
AGGAGTTTGAGTCACTGGCACCTANAAGCCTGCCACGATTCTAGGAAGGCTGGCAGAC
ACCCTGGAACCTTGGGGAGCTACTGGCAAACCTCTCCTGGATTGGGCCTTGATTTTTTTG
GGTGGGAAAGGCTGCCCTGGGGATCAACTTCTCTGTGTGGTGGCCTCAAGGGAGTTC
TTTCTGCCAGNAGAATGGCCGCCTATCTTTTCTCCCTCCCTGTTGATGTCCTTGCTTCC
CCAACCAATTTTGTACCTCCGGGCCCCGCTTCTTAGAACTTAGNTNGGGATTCCCCC
CCGGGGCCTTGCCAAGGGAAATTTCCGATTATCAAAAGNCTTTAATTCGAATTANCCCG
GTNCGNACCCTTNGAAAGGGGGGGGG

Sequence 4222

ATATAGGCGAATTGGAATCCACCGCGGTGGCTGGATTTCTCAACTTTCTTGGTTTTCTGG
TAGCCAAATCCACCACCACTNCTCGCTTTTCTGCTTGCTTCATTACCCCGGTACCT

Sequence 4223

CCGGGCAGGTACAGATGAGAACAGCTTACATGAACCTATGATGAAGAAAGCCACGGAAAT
CAATTCATCATGCCACCAGCAGAAAAATAATATGTCTGTTCTGATTCTGATAGGACAAA
TGTTGGGGACCAGATACCGGAAGCCCATCCTTCCACTGAAGCTCCAGAACGAGTGGGTTN
CAATCCAAGATCACAGCTTTTCCATCAGAAACCTCAGTGGGGGACGNGGGCAGATTCC
ACACCAGCTCACTTCCAGACTGATCTTTTGCACCCAGTTTCAAGTGATGTTCTACCTAA
GTTCTGACTGCTTAAGACAAAAGTCATTAGGATTATGTTCCAAGGGCATNNTTCCAAG
AAAAACAGTTNTACAAATCCAATTACCATNTCTTGGGACCACCAAGTNGAATAAAGCTGG
AGGTACCTNCGGCCCGCTCTAAGAACTAGTGGGATCCCCCGGGGCTGCCAGGGAATTC
GATTATCAAAGCTTATCCGATACCGNCCGACCTTTGAGGGGGGGGGGGCCCCGGNNCCCCA
AGCTTTTGGTTCCCTTTTTANTG

Sequence 4224

TACATNAAAAAATCCAGGTTTGTGGAAGTCGCGTTCTTTACATNTGGGAGCGGGGCTNGT

Table 2

CCCAGCATCAGGCGCAGCAGCTGCACTTGTCGACGCCCTTTGCAGATGCAGCCCTGGG
CACACTTGGCACAGCCACAGGGCAGCAGGAGCAGCAGCTTTCTTGCAGGAGGTACCTG
CCCGGGCGGCCGCTCTAAGAACTAGNGGNATCCCCGGGCCTGCAGGAAATTCGATAT
CAAAGCTTTATCCGATACCCGTCGGACCTTNGAGGGGGGGGGCCCCGGTGACCCANGCN
TTTTGTTCCCTTTTAGTGGAAGGGGTTNAATNTGCCGCCGCTTGGGCGTAAATTCATG
GNTCATAAGCTGGTNTTCTGTTGGTGGAAAAATTGTTTATTCNCGCTTCACAAATTCGA
CAACAACAATNACCGAAGCCNCGGGGAGCCATTANAAAAGTGTAAGGCGCTGGGGG
Sequence 4225

CGCNGTGGCGGCCGATGTACCAACAGATTTNTCACGGNGCTCCCAAACTGTGATGTNTG
GAAATCTCTGCCCTCANGGATCCCTGACCGTTTCTCTGGCTCAAAGTCTGGGACCACAG
CCTCCCTGACTATTTTCGGGCCTCCAAGCCTGAGGACGAGGCTGATTATTACTGTTCAACA
TGGGACTATAAGCCTCACTGGCTCNAGTGTTTCGGCGGAGGGACCAAGCTGACCGNCCTAG
GTCANGCCCAAGGCTGCCCCCTCGGTCACTCTGTTCCCGCCCTCCTCTTGAGGGAGCTTC
AAGCCAAACAAAGGGCCACACCTGGGTGGTGGTCTCAATAAGGTGACTNTCTACCCCGG
GGAAGCCCGGTGACAAGTGGGCCCTTGGGAAAGGCAAGATTAGCCAGCCCCCGTCAAAG
GGCGGGGGAAGTGGNAAGACCACCCACCCCTTNTCAAAACAAAGCAANCAAAACAA
NGTTNCCCTTGGCCCGGGGGCCGGGGCCCGGTTCTNTAANAACCTAGGTGGGATTCCCCC
GGGGCCTGGCAAAGGGAAAAATTNCCGATTATTCAAAAGCTTTANTNCGNATTACCCGGNG
CGGAACCTNCGGANGGGGGGGGGG

Sequence 4226

GCCCGANGNTACCCCTCATACCCAGCCTCAACTGNAGATGACTAAGGCNAGNCTGTGCAC
TANAAAGCCACATTTCCCTGTNCAAGGACTGAGNGTNTNTACAAATCCCTCCAAATGG
GGGATTCCAAAGGGGCTTAAGCAAAAGAACATCTCTGTGGCAAAGTANGTGNGGCCAAG
GAAGCTGAAGGACTTAAATCAAGGGAAGGGAAGATGCCAGNATGGGCANGTTTTTTAC
ATTTATGTNACAACAGGAAAACCGTGCCACATGGAGGTTTGCGCTGACTGCATNTTTTCTN
TTCACNTGGCCGGCAAGCCCTTGGGNCATTTGNGGGNGTTTGGGTGGACTTCTTGATGG
GGCCAGTTTGGGGGCCAAGCNCNTTTTCCACCGAATGGGGCNTTTTGGCGGNTTTC
CTTTGGGGAGGGAAAACCATTTTGTGGAAGCCGGAATCCTTCCGGGCCNACCAAGTTN
NAGGAATNTTTGGTGTGGGCAACCAATNCAAGGCAANGCNACCTTTTCCCAAGCCTNCCC
TTTNGNANCCGNTTTGGNTGGGGACCCCAAGGGGAAACCTTTNCCCGGAAAANGCCCCA
CCTTGGGGGGCAAGCCATTGTTGGCCTTTTAGNTGTTTTNTTTTGGTTNGGCCTTTTCC
CAATTAACCCCAAATTGGGTGTGGGGGCCANTCAAAGAATTCTTGGGCCCC

Sequence 4227

GAGGTACACCTTTTCAGGGNCGTTAAANACCACCTGNNNNGACTNGATCTTCTTGAACAT
CANCATGATGGAAGTGAAGTTGGTTTTAAGAGTTAGAAATGACGGTGGAAGAAAAAAGC
TCCAAATCGAGGAAACCCCTTTGCAAAAAATTATTTCACTTTAAGGAATTAAGGTATTCT
TAAGCAGTTTGAGCTTAAAAATAAAATAAGATTTAAACANAATGAATATTAAGTACTAGG
TTTTAGAAAAGGCGCTTAAAAAATATACGCCCGCTGGGTTNACACTAAGGCGANATTN
CAGAGNAAAAAGCCTTCTTTTTCCCCAATTGCTGGAGGAAAAAGATCCCGATCCTCCAC
AAGGCACTCNCCTTTTGGGAAGAAAAAGAGGGGGGTTAAGTTTTTCCCCCGGNTTCCCCT
GCCCCGGGGCGGCCCGCTCTTAGAACTTAGGTGGGGATCCCCCGGGGGCCTGGCCAGG
GGAATTTCCGGATTATTCAAAGGCCTTTATCCGAATACCCCGNGCCGACCCCTNCNGAGG
GGGGGGGGGGCCCCCGGGTGACCCCAAGGCTTTTTTTGGTTGCCCTTTTTNAGNTGG
ANGGGGGTTTTA

Sequence 4228

CCNAAAAACAAAGAACTTGCTTGTGTGGTAATCCAGCTCCATTCTTCTGCATAATTACA
CAGGTCACGATGTATTTAAATGGTTTTCCAGCTTGGTGGAGTTGGCTTTAAAGTTTGTT
CTACTACATTTGTGGTCCACTGGTTCACCTTGTGTGTGATAANGCGTTACCACCAATT
GCGCTTTCTATANCNCTCTTTTACANATGGTTGCTCACTTNATCAACAAACAAAGCAG

Table 2

TCTCCTCCCGCAGCCTGGGNTAGTCTTCCATCTTCTCCTCCGGGCGCCCNCGCGTACCTGC
CCGGGCCCGGNCGGTTCTTAGAACTAGTGGGATCCCCCGGGGGCTGNAAGGGAAATT
CCNAATANTTCAAAGCCTTTTTCGGATTACCCGGTTNCNNAACCCTTTNGANGGGGGGGG
G

Sequence 4229

GCCGCCCGGGCAGGTTNTCCAGNNTTGGTTATNGTCATGGGAAAGGAAGGTGTCCACANA
ANGCACACTTAACANGAAAGCATATGAACTCGCTTTATACCTGAGGAGGTCTGATGNGTA
AGCAGCCTCTCCCCATCTACCTAGCANCTGTCTTCATCAACAACCCTAATTATGGNCACA
ATGCTACCAAACCTGTAGATGGTAGCTAATTTTTCTTTACCTATTTTCTAATGTCATGATT
CCTGTTTGCCCAATGGATCATTTGTATGTTAACCCTGNNTGNAACCAACCCTTATCTGG
GCAACATAAATTGGCAGCACCAATAATGATTNTGCATGAATACCTNTGGAAATTGGGGGG
NAGGGGGCATGCCAAGTTGGGGCATCACTTTGTCTTANCAATTAATGGGGATATTGANTT
ACCTAAAAATAAGTTAATANGTAAGCAAGGGNGCCCGGGGTGGGACNCTAGGGCCCCGNTC
CTAGNAACTAGGTGGGATCCCCNNGGCGCTGGCAGGGAAATTNCCGANAATNCAAAGGCC
TTTATCCGANACCCGNCCGACCCTCCGAGGGGGGGGGGGCCC

Sequence 4230

NCCGGGAGCCATAANAGTGTAAGCCTGGGGGTGCCCTAATGAGTGAAGCNTNACCTNA
CATTAAATTGGCGTTTGCGGCTCACTTGCCCGCTTTTCCAGTTGCGGGGAAACCTGNTCN
NTGCCAAGCTGGCGATTAAATGGAAATTCGGCCAAACCGCNGCCGGGGGGGTAAAGAAG
GCCCGGGTTNTGCCGTTATTTGGGGGGCCGCTNCCCTTTCCCGGCNNTTNCTTCCGG
CTNCAACCTTGGACCTTCTNCTTGGCAGCCTCCNGTTTCCNNTTTTCCGGGTCTTGCCA
NGGCNGAAGCCCGGNNTTATTTCAANTCTTTCNACTTCCAAAAAGGGGCCGGGTNNAAT
AACC CGGT TANTCCCCACCAAGNNANATCNAANGGGGGGAAT

Sequence 4231

ATGGAGACCTATTAATGGAAAAACCCTANAAAAGATCACCAACAACCGNCCTCCCTGCGT
CATCCTGTGACTGCACAGGACTCTGGGTTCTGCTCTGTTCTGGGGTCCAAACCTTGGTC
TCCCTTTGGTCCTGCTGGGAAGCTCCCCCTGCCTCTTTCCCTNACTTANCTCCTTTAGC
AAAAGGAGGACCCTTGCGCTNCACTTTGCCCTTTGGGGTACCCTCGGGCCCGCTCTTAGG
AACTAGGTGGGATCCCCCGGGCCTGCCAGGNAAATTNCGGATTATCCAAAGCTTTTATC
CGGAATACNCGGTGCGGACCCTTCGGAAGGGGGGGGGGNCNCCGGTTAACCCCCAAGCT
NTTGTTGTTTNCCTTTTNGATGGAAGGGTTTANATTTGTCGCGCTTTGNGCNGTTA
ATTCAATGGGGTCAATTAAGCTTGCTTANCCCTGGTNGNNGAAAAATTGGTTNAATCCCC
GCTTCAACAAATNTTCCACACCANCCATNACCNNAAANCCCCGGGNANGCCATTA AAAAG
NTGGTTNAAAAGCCCTGGGGGGTGG

Sequence 4232

GCNGTGGCGGCCCGCCCGGGCAGGTACTTANTNTTTTTNTTTTTTTTTTNNGGAAACAGG
GTCTTGCTATATTGCCAAAATGGCCTCAAACCTCTGGGCTCAAGCGATCCTCCTCCAGC
CTCCCGAGTAGCTATAGTTTGGTTTAAATCAGTAAATATTTATTTAGCACTTGGACTGCT
CTAGGCACTATAGGGTACCT

Sequence 4233

AGGTACNCGGGGGGGGTCTCAGGAGGCAGCGCTCTCAGGACGTCACCACCATGGCCTGGG
CTCTGCTCCTCCTCACCTCCTCACTCAGGGCACAGGGTCTGGGCCCATGGGGCCCTGA
CTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGACAGTCAAGTCACCATCTCCTGCATTGGG
AACCTTCAATGACATTGGTAGTTATGATTATGTTTCTGGTACCTGCCCCGGGGCGGGCCC
GCNTCTAAGAACTAAGNGGGGATCCCCCGGGCTTGCAAGGGAATTCGATATCAAAGC
TTTAATCCGATACCCGTGNGACCCTCGAGGGGGGGGGCCCCGGGTNCCCCAANNCTTTTT
GNTCCCCCTTTAAGTTGGAAGGGGTTTAAATTTGGCCGCCCTTTGGGCCGGTAAATGCAA
TGGGGTCCATAAGCCTGGNNTTCCCTGGTGGTGGAAAAANTTGGNTNATTCCCGCTTCA
ACCAAATTNGCCCAACAACCAACCATNACCGAAGCCCCGGGGGAAGCCAATAAAAAGGTT

Table 2

GGTAAAAAGCCCTTGGGGGGNTGGCCCTTAAATGGAAGGTGGAAGGCCTTAAACTTCAAC
CAATTTTAAATTTGGCCGGTGGCCGCCCTTCACTTGGGCCCCCGCTTTTTCCCAGGTTN
NGGGGGA AAAACCTTGNCCGNGGCCAAGCTTGGCATTTTAAATGGAAATTCGGGGCC
CAAACCGCCCGCTGGGGGAANANGGCCGGGTTTGGCNGTTATTTGGGGGGCCCGCT

Sequence 4234

GGANCTCCACCGCGGTGGCGGCCGAGGTACGCGGGGAGGAACTGCTCAGTTAGGACCCAN
ACGGAACCATGGAAGCCCCAGCGCAGCTTCTCTCCTCCTGCTACTCTGGCTCCAGATA
CCACTGGAGAAATAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTCTCCAGGGGAGA
GAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTTAGCACCAAGTTAGCCTGGTACCTGC
CCG

Sequence 4235

TTGNACTCCACCGCGGTGGCGGCCGAGGTACACCGACTACGGCGGACTAATCTTCAACTC
CTACATACTTCCCCATTATTCCTAGAACAGGCGACCTGCGACTCCTTGACGTTGACAA
TCGAGTAGTACCTGCCCG

Sequence 4236

CGAGGTACGCGGGGATTCTTGTCTGTTCTGCCTCACTCCCGAGCTCTACTGACTCCCAAC
AGAGCGCCCAAGAAGAAAATGGCCATAAGTGGAGTCCCTGTGCTAGGATTTTTCATCATA
GCTGTGCTGATGAGCGCTCAGGAATCATGGGCTATCAAAGAAGAACGTGTGATCATCCAG
GCCGAGTTCTATCTGAATCCTGACCAATCAGGCGAGTTTATGTTTGACTTTGATGGTGAT
GAGATTTTCCATGTGGATATGGCAAAGAAAGGAGACGGTCTTGCCGGCTTTGGAANAATT
TTGGGACGATTTTGCCACGCTTTGGAAGGCTCAAAGGGTGCCATTNGGCCAAACATAG
GCTTGTGGGACNAAAGGCCAACCTGGGAAATTCANTGGACCAAAGGCCGCTCCCAAAC
NTATTACCTCCCGATCACCAATGGTACCTTGCCCCGGGCGGCCCGCTCTAAGAACTA
GTTGGGATCCCCCGGGGCTGCCAGGGNAATTTCTAATTATTCAAAGCCTTTATTNCG
ATTACCCGGTCNGACCCCTTCNGAANGGGGGGGGGCCCCGTTACCCCAACCTTTTTTG
TTCCCCCTTTAAGTGAAGGGG

Sequence 4237

GGGGCTCATGGTTTCCCTCTNCTTTGGGCAGAGGGCACATTATTGCAGAGGTAATGCTGT
GGCATATATGCTTCTGCCTCAGGGTATCACGTGGAGTTCACAGGACCCTGCCACCTGAG
TTCCCAATAAANA AAAACCTCCCTTTCTGAGGCTGCTTTCCCAAACTCCCCCTGCATC
TTTTATCTCTTCATCTATCCACNCTCTTTGTCTTGAACATCCCCACNCTTTATCCTCGT
GTGTCNNGCCTTTGTTTTAAATTTTANACCTTCATGGTTTCAATTGCCTGGCAAACAA
GGAAAGNCATTTTCTTCTTAGNGTTCNCCCAAGTTTTTTCCANNTTTGNANTTNGCNAT
TATTCCTTTGGATTCAAGGCCNCTTTTTTTACACCAATTCTCCTGGGCCCCNTAATG
GGGGTNTCCTCCTAAGNCCACCCNTGGT

Sequence 4238

AGGTACGCGGGGAAATGGCCGCGTCCAGTCAAGGAACTTTGAGGGAAATTTGAGTCA
CTGGACCTTGCGGAATTTGCTAAGAAGCAGCCATGGTGGCGTAAGCTGTTGCGGCAGGAA
TCTGGACCTTCAGCAGAAAAGTATAGCGTGGCAACCCAGCTGTTCAATTGGAGGTGTCACT
GGATGGTGCACAGGTTTCATATCCAGAAGGTTGGAAAGTTGGCTGCAACAGCTGTGGGA
GGTGGATTTTCTCCTTCAGCTTGCAAACCATTACTGGGTACCTTGCCCCGGGCGGCC
CGCTCTAGNAACTAGTGGGATCCCCCGGGCTTGCAAGGAATCCGATATCAAAGCTTAT
CGATACCCGTTGACCTCTGAGGGGGGGGGGGCCCGGTNCCCAAGCNTTTTGTTCCTCC
TTTAGTTGGAGGGTTAATTGCCGCCGCTTTGGCCGTTAATCANGGGTCAATAGC

Sequence 4239

CCGGGCAGGTACNGCGGGGAGGCTGGCCGGCGGCGCTGGGAGGTGGAGTCGTTGCTGTTG
CTGTTTGTGAGCCTGTGGCGCGGCTTCTGTGGGCGGGAACCTTAAAGATAGCCGCAATGG
CTGAAAATGGTGATAATGAAAAGATGGCTGCCCTGGAGGCCAAAATCTGTCATCAAATTG
AGTATTATTTGGCGACTTCAATTTGCCACGGGACAAGTTTCTAAAGGAACAGATAAAAC

Table 2

TGGATGAAGGCTGGGTCTCGGCCGCTCTAGAACTAGTGGGATCCCCGGGCTGCAGGGA
ATTCGATATTCAAGCTTATCG

Sequence 4240

CCGCNGTTGGCGGCACGACGNACNCGGGTNNTTTGTAGCGGACAACATGGCGGCCTTCA
TGCTGGGCTCGCTGCTGTGGACNTTCAAGCAGGTCAGGCCTCTACTTTTATCCACACCGC
TACCCCTCACCGCTGAATNTNATAACCCACGGGTCCCCACGGCTCTGCCACCTGTAGTG
CTCGATGGTTCTTATCAGCTNCAGGCCAAGATTGGAAGTCACTATGTAGACTGGAGAA
TGTGGCCGCGATGTGAAGAGACNACAAAATGGCCTATGGAATACACAAGATTGAAGCAGG
CTACGNTTTAATTTCACTTCAGGGAAGGAAAATACCATTTTTGCCANAAAAATTNCTTT
NAGGGTTAGCCTAATTTAAGGATGGAGGCCCTTTGNTACCTTGCCCCGGGCCGGGNCC
GCTCTTAGGAAACNTAGTTGGGATTTCCCCCCCCG

Sequence 4241

CCCCACCCCGGCCGGGTTGGGGCCGGGGCCCCCGCCCCCGGGGGCCAAGNGGTTACCGC
CCNNGGGGGGGGAAACCAAAAGCCGGTTCCGCCGGTTTTCTTTGGAAAGGGAANAAA
AAACCTTNTTTTGGGGTTGGAAGNAAAATTTCCCCCAAGGAAAGTTGGGAATTAAT
TGGGGCTTTAACCTTAACCAAAAGCCCTTGGGGCCGAAAACCGGAAANAANNAATTT
ACCCNCCCCCTTCTTNGGAAAAAGNACAATTTTGGAAAACCGNGGGGGAAAAATTT
CGGGGCCGCCCCANTTTNCTTTTTTAANAAAAATTGGCCAAGGGGTTACCCCTTTTGG
GGGCCCGCCTTTCTTTAGAAAAACCTTAAGGTTGGGGGAAATTNCCCCCCCCGGGGGG
CCTTTGGNNAAGGGGNAAAATTTCCAAAATTNTTTCAAAAAGCCCTTTANTTNTGA
AATAAANCCNGTTTCNNAANCCCTTNTTAAAAGGGGGGGG

Sequence 4242

CACCGCGGTGGCGGCCGAGGTACANGATCCCATCCACTTGTCTGAGTCATACCCGATCT
CACNAAGCTCCAAGTGAGGGAGGACAGAAGTAAGGAGATAGCTGACGTGGATACGTAGCC
GCGTAAGCTTTGCCAAAGCCCTTTCTAGGTCATCTCCCTCTGGGGTCCGGTAGGAGACCT
GAGCCTTCTGCAGCATTTCCAGGTGTGTCTCTGTTTCCCTCAGTTTCTCTTTAACTCTT
GCTTTCTCTTTGTTCTTTCCAGCTCAACTTTCAAAA

Sequence 4243

TTGGANCTCCACCGCGGTGGCGGCCNCCCGGGCAGGTACCTCTGTGGAAATCCCTTCTT
CCAGAAGCTCCACTCACTTCTGATGCCAAGGAGCTTCTGCGGCGCCCTGCACGCACCTT
TACAGATGCAGGTGGCTGTTTCTGTGTCCCCGCGTACCTN

Sequence 4244

AGGTACGCGGGGACTGGAGTGATGCAGCTACAAACCAAGGAACACCAAGGACCACCAGCA
ATGACTAGAGCTAGGAGAGAGGCATGGAATAGATTCTCCACAGAGCTGCCAGAAGGAAC
CAGCATTGCCAACATCTTATTTCACTTCTAGCCTCCAGAATTGTGAGAGAAATAATTT
TTGTTGTTTTCAGCCTTCCAATTTGTGATAATTTGCTATGGTAGCCCTAGGAAAATAATA
CATCTGGATTCCAGCTTTCCACTCACATCATCGTTTTCTCCATCCTTCCCATGTCTACAT
ATTGTTGTTCCAGATTAAAGATATCTTGATGTACAGGTGCT

Sequence 4245

GGAAGCTCCACCCGCGGGTTGGGCCGGGCCCGANGGTTACCAAGGGGATGCTTTTGAAAA
GGATGGAAGGGAAAANAAGAAAGNAAGTCCAAGGCCACAAATTTGNAATACCCGCAAG
AATGATGCCCACTTGGTCATTGGGCCAGTTGGAAAAGCCCTCAAATGGTCCATTGTTT
CAAGCAAACCGTCTTCTTTTTTCTTGAAGTTGGAAANTTCTTAAGGGAATAAGTTTTT
CTTTCCCCCTTTGGTGGTTTTTGAACCAANGGGGCCAAGGGTTTTAANGGTTTCTAA
GGGTAANTTGGGGAANGGGGCCAAGGGTGGGGGGCCCTCCGAAGGGNAACCCGNAANNN
GGGTTNCTTTTTGGCCAANTTTTCTTGGTNCCCCCATTTATNGGGGGTTGGAATGGTAA
AAAAAAATTTTAAACCCCTGGGTTTTTTTTCAAAATAANTTTTTCTTTAAAAATGGC
CTTTTTTNCCCTTTTTTGGAAAATAANNCCAAGGGGTAAGTTTTAAGCCNTTTTCAAAA
AAAANGGGTTNAAANTTTTATTTGNAAAATTATTTTAANNNCCCCCNCCCAATGGT

Table 2

ATTTTGGCCTTCCTTTTAATTCCTNGGGGGTTTTNAANAAAAATTAAACNAAGGGN
TTTNGGAAAAAATTTTNGGGTTTAAAAAATAATNGGGGAAAAAACCCT
TTTTNCCCCNTTTATTTTTTGGGGGGGAAANNCTTGGGGAAAAACCAANGGGGNAA
ANGGGGGGGGGGNANNTTGGGNAAAAAAGGGGCCNNTTTTTTTTTTTTTTTT
TTTTTTTAANNAANNGGGGGCNAANAAACCCCCCNCNCNNTTTNAAAAAA
TANGGGGGGGGGGAAAAACAAAAATTTTNAANGG

Sequence 4246

CCGCCGGGTGGGGCCGGGGCCCGCCCCCGGGGCAAGGGTTACNCCGGGGGGGAAA
AAAACAATTGGGGACCGTTTAAATATTNGGCCCAACTCCGCCNCCTTGGGGGAACNAA
TTTCNTTCCCCGGGGTTTCCCGAATCCGCCTTTGCCCGGGGCCGCTTCTTAAAAAC
TTAAGTTGGGAATNCCCNNGGGCTTGCAAGGGAATTTCCNAATTATTTAAAGCCTTT
AATCGAATACCCCGTCCGNAANCCTTTCNAAGGGGGGGGGGGNCCCCGGGTACCCCCA
A

Sequence 4247

GGGCCGGCCCGGGGGGTTAAGGGATGGGGGAAAGCCCTTGGGGGGCCAAAGGGGGGAANG
GTTTGCAAAGGAAAGCNCCAATNCTTTCCCTTCCTTNCGGGGCAAGGGTTACCTTTTCG
GGCCCGCTTCTTAAAAAACTAAGTGGGAATCCCCCGGGGCCTTGCAAGGGAATTTTC
NAATNTCAAAGCCTTTAATCCGAATACCCGTCCAAACCTTTNAAAGGGGGGGGGGGCC
CCNGATTACCCCCAAACCTTTTTTGGTTTC

Sequence 4248

GTCAACTATGTGGTTTTTCATGGTGCCAAAGGCTCACCAAGGAGTCTCANCTGAAGGATG
GTGACAATCTTAACACCTTCCCCTCCAAACATAAAGAAGCCTTCAAAGGCTCCTATAG
TTTTCAAATAANATGCCCAAAAGTTTAAAGATGCAAGGGCAAAATTTGACCACTTTGT
NGGAAAATGTCTAAGGCCCANCACTTNGGTGTCACTCTTNTTGGGGCTNNGGGCCTATTN
AACATTGGGAAAGGCAACCAAGGGGCAAGGCNGTTTTTTTTTTTNTCCATTNCCCCC
CNGAAACCNCCCGANGCCNNAACCCCCCGCCCCAAAANTTTAAAAAAATTTTTTTT
GGGGGGAANCCAAAAACCTGNATNCCCCTTGTTTGAACTTTAAACACNAAAAACCTTT
GGGCANTTTTTAAAAANGGGGGGGGAAANCCCTTTCCCNCGGAATTTACCCNAAAAATT
TGGNCTTTCCTTCAAAAAAATAAANGGGCTTTTANTTTTNTTNCACNAACCC
CTTTTTTTTTTTNAAAAACCCCATNTTTNCCCCCTTTTTTTTTTAAANCCCCCCTT
TTGGGTANCTTTGGGGCCCGGTTTTTAAAAAATAAANGGGGAATNCCCCCGGGG
TTTTNNNGNAAATTTTCATTTTTTAAACCTTTNTTAAAAANCCCGGGGAAAACCTT
TTAAANGGGG

Sequence 4249

NAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGACCAGAGACAAA
ACAGAAGAGGGGAAACATGTTTCTACTGACGACAGGTGATTACACGTGTGCTTCTGATG
GAGGGATCAGGAAAGATAACTGCAAAGAGGTTGTCATTACTGGTTACACCAAGCCCGAG
GCCAGATCTCTTACTTAATGACTTGGGGAAGGC

Sequence 4250

TGATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAGAGCTGGGGATG
CGGGCACCTGTCTTNCAGGCCCTCTTGCTGTGTGGCCGACAGCTGGTGGTTACGCCTCTT
AACTCTGACATGAGGAACTGAAAAACAGAGTAGCANCTCAGACTGCCAGAGATCGAAAG
AAGGCTCGAATGANTGAGCTNGAACAGCACGTGGTATGATTTAGAAGAAGAGAACCAAA
ACTTTTGCTAGAAAATCAGCTTTTACGAGAGAAAACATGGCCTTGTTNTGAGAACCA
GGAGTTAAAACAGCGCTTGGGGATGGATGCCCTGGTTGCTTAAAAAGAAGCGGACNCCCA
NGGGAATNANTTGAGGNCNCTGGCCCGGTTTTGCTGANTTCCCAACACTNANACNNCNTG
CCCTTNTGAATCNGGTGCCGNCCTTNTGTTACCTTCAAAAAATNTGCCCATTTGGATT
TTGCCGTTTTGACTTCTTCAAATTCAGNAGTCTTGATTTTCTNTTTGGGGCCATT
TTGGGACAACTTTTGAACCCNANTTNTTTTTTTTCAAAATGGCCCTTTTC

Table 2

Sequence 4251

CCGGGCAGGTACGCGGGGCCATATGATGTGACCTTACTCAACTGATTATCACCCCTCCCTG
TCATACAATACTTCCTGGCTCGATTTCCTGGGGGGTGGTCTCANCCCACTCCACCCCCC
TNANCCGANCCANAGTAAANGGGCCANGCATCCTNCCCANGGGAGGGGCAGTTNAAACA
ANGANCCTNTTCTGGGCTTG

Sequence 4252

TTGGAGCTCCCCGCGGTGGCGGGCCGCCGGGCAGGTACCCCTGAACTTAAATAAAAGTT
AAAAAATGCAAAGTGCTTAGGAACTCTCTTTAGTGCTTATCTCATTGAAAAGTATTAG
AAGCTCTTTAAGTGACCAGAGAAGGGCTTGTGCTTCTTACTTTAGAGATGAGGAAATTAA
GTAAGTTGTTACAGTCACCTACTTACAGANAAGTGAGCTGGTTCTCATATACATAATA
TTCTAAAGTACTTTAATCGGCCCCCAATAGACATNTTGGCAGGAAAANAAGTTGCGCTCT
NGCCTACTTTTCTTTTTTTCGGCCCCCTGCGAAAAATCTTCCGCGAAAGCGTTAGTTAAG
CCAAATGGGCCCCCGTTCCCTTGGGCCGCTNTTAACTAATNGGATTCCCCCGGCTTGGN
GGAAATTNNATATTCAAGCCTTTTTGATACCCGCCAACCTCCAANGGGGGG

Sequence 4253

GGAGCTCCCCGCGGTGGCGGGCCGCCGGGCAGGTACAAGTGCTCTTTTTCAGAGTTGGAC
TTCTAGACTCACCTGTTCTCACTCCCTGTTTTAATTCAACCCAGCCATGCAATGCCAAAT
AATAGAATTGCTCCCTACCAGCTGAACAGGGAGGAGTCTGTGCAGTTTCTGACACTTGT
GTTGAACATGGCTAAATACAATGGGTATCGCTGAGACTAAGTTGTAGAAATTAACAAATG
TGCTGCTTGGGTAAAATGGCTACACTCATCTGACTCATTCTTTATTCTATTTTANTTNGG
GTTTGTATCTTTGCCTAAAGNGCCGTANTNCCAACCTCTTGGGATTACCCCTTCTAAAT
AGTCATACTAAGTAGTCCATACTNCCCTGGGTGGTAAGGNGTATTCTTCTTAAAAACCTT
TAAATGGTCTTTGCANTGCAAGCCNAGNCCATTCAAAANAANTGGAATGGGNCNTNTNT
TTTTGGGCTTGGGAAATTTCAAAAAAATCAAAANAAAAATTGTGGTTCTNTTANAGGNN
AAAAACCATCTTAAACCCCNNTTGAANGGGAAAAAAAAGCCCCCAAAATGGGGNGG
GNNAACCTNGGAAAAANNAACCNCTTAANGGCCTTTTAAAAAATTTGGGGCAACANNNT
TTTTACCTTTTANGGGGAAGCCCNCTTTGNACCCNGGGGGGGGCCTAAAAGGGTCCANA
CNCCNANNTNGAAANTTTTTTAGGGGAAAAAAAANANAATCCCNTTTTTAAAAAAAT
TTNAANNCCCNTTTTTTNAAAAAAAANCCGNGGGGGAATTCCCNNTNCTTTN
TNTTNNNCAANTNNANAAAAAANCCCCCTTTTTTTTTTTTTTTN

Sequence 4254

GCAATGGACTCCCGGGTGCGGCGAGTCGCGGGGCCTTTCTTCACGGACGCGGGGAAGATG
CAGTCAAATCCAAGAAGAGGAAGTTTGCCTGATGNATCTTCAAAGCTGAACTGAATGA
GTTTCTTCTCGGGAGCTGCTGAAGATGGCTCTCTGGAGTTGAGGTGAGTTCACCAACCA
GGACCAGAAATCATTATCTTAGCCACCCAGACACAGAATGTTCTTGGTGAGAAAGGNCGG
CGGATTCGGGAAGTACCTGCTGTAGTTGAGAAGAGTTTGGCTTTCCAGAGGCAGTGTA
AGCTTTATGCTGAAAAGGTGNCCACTAGAGGTCTGTGTGCCCATTGCCAGGCAGAGTCT
CTGCGTTACCAAACCTC

Sequence 4255

CGACCTCCTATAGGGCGAATTGGAAGTCCNCGCGGTGGCGGCCGAGTCATTTTTAAAGAAA
ATCCTTTCTGAATAAGACCTAATGTCTATACCTGAAGAGAGGAGACCAGCATGTCATCCT
CCTTTTTTTGGCCTCTCTCAAAGTTACCTGCCCAAAGTCCCATGAGAACAGAACCTCCA
GTTTGCAGCCCTGTGGTGCGCAGGTCTCTCCCGCCACTGATTCATACCTATGTGTGAGTC
AGGAAATCTGGCTGATGACTTGTACAAACAGCAGATGAGGAAAACGTCAAAGGAACGT
AATTTGGGGGTGGTGGTGGGGGGGAACAAATGTACCTGCCCC

Sequence 4256

CTCCNCGCGGTGGCGGCCGNGTACCAGGCCCANNNACTTTATGATGATGGATGATGCTGT
CCTCTGCATGTGTTTCAGCAGAGATACAGAAATGTTAGCAACTGGGGCCCAAGATGGAAA
AATCAAGGTGTGGAAGATTAGAGTGGACAATGTTTAAGGAGATTGAGAGGGCACACAG

Table 2

TAAGGGTGTACCTGTCTAAGCTTTTCTAAGGATAGCAGTCAGATCCTTAGTGCTTCTTT
TGACCAGACAATTAGAATTCATGGTTTAAAATCTGGGAAAACCCTGAAGGAATTCGTGG
CCATTCCTCCTTTGTTAACGAAGCAACATTTACACAAGATGGACATTACATTATTAGTGC
ATCCTCTGATGGCACTGTAAAGGTTAAGTATTTGCTATCAGTTTATTTTGGGATGTCTAC
CCCATCTTTGTCTTTGAGGAGTTTTCAGTGGTGATAATG

Sequence 4257

TGGAATCACGCGGTGGCGGCGAGTCCGGGGCTGTAGTGNTTGTCTTGGTTTTTCTCTTCT
TCNCTANGCCTCCGGCTCTCGTAGCCTCCGCGGCGCTCTAGACTAGTGGATCCCCCGGCT
GAGGAATTCGATATAAGCTTATCGATCCGTCGNCCTCGAGGGGGGGCCGGT

Sequence 4258

TGGNGAATTGGAATCNCGGGTGGGGCGCCGGCAGGTCATTTTTGAATGNCTAAAAATCTC
ATTCTGCTGCTGTCAGTTGNTTTTNACCTGCTGAGNGGCACTGAAACAGAAGACTCGGGG
TGACACCCGCTGATCTTAACAAGGATTCTGNAGGAACTACAAAAAGGAGAACTGAAAT
TTAGACATACAGTTGGCATTGTAAAAANCATCAGTTNCTCTCATACCTTNCAGTAAACC
AAGTAAATAAGTGTGGAGTACACTTNCCTTAAAGAAATTAAGGAGTGATAGCTCTTT
CTGTTCTGCATTCCCAACATTCTT

Sequence 4259

ACTCACTATAGGGCGAATTGGNCCTCCNCGCGGTGGCGGCGGAGTCCACAGCACCCCAGG
CAANCCCCCAACTCATGATTTATGAGGTGAGTAATCGGCCCTCAGGGGTTTCTAATCGCT
TCTCTGGCCTCCAAGTCTGGCCAACACGGCCTCCCTGNCATCTCTGGAATCCAGGCTGAG
GNCCGAGGCTGATTATTACTGCAGCTCATATACAATCANCAGCAGTCCTTGGGTGTTCCG
CGGAGGGACCAAGCTGACCGTCTAGGTGAGCCCAAGGCTGCCCCCTCGGTCACTCTGTT

Sequence 4260

TCNCGCGGTGGCGGCGAGTCTTTGCCCTGTAGAATTNCTGAGTTTNTTCTGAGTCTGG
TNATACTGTGAGACACGCAATGGATTNCGGCGNCTCGGATCTTAGAGAGCTTGGAGGCC
GCNCCGCTGNACTTTGGCNACGCNCACTGGGNCAGCTCCACCTTCAGGTGCNCACTGT
TTCANANTCCTCCTTCTTCTCCNCGAAGACTCGACCTTGACTTGGCATTGCTGACAANC
CGCANGCCGCCCCCGCTCCTGCCGGCGGCGTCTAGACTAGTGGATCCCCCGGCTGAGGA
ATTCGATTCAAGCTTATCGATCCGCGNCTCGAGGGGGNCCGGACCCACTTTTGTNCTT
TTAGTGAGGGTAATTGCCNCTTGCCGTAATCATGGCATANCTGTTTCTGTGTAATTGTA
TCCGTACAAATTCACACACATNCANCCGGACATAAAGTGTAAGCTGGGTGCTAAGAGG
AGCTACTCACATTATTGCNTNGCTACTGCCGTTTCAGCGG

Sequence 4261

CNNATTGGAGCTCNCGCGGTGNCGGCCGNGTCTATAATACTGCTGCAGTAATAANCTGCC

Sequence 4262

CTATAGGGCGAAATTGGAGCTCCNCGCGGTGGCGGCGGAGTCCAGNTTCTTCAAAAGTC
AGATTGAGTAAGGGATAGAAAATTAAGTTCATCTTAAGGAACAGCCAAGCGCTAGCCAGT
TAAGTGAGGCATCTCAATTGCAAGATTTTCTCTGCATCGGTGAGTTAGTGATATTAACA
GCGAAAAGAGATTTTTGTTAAGGGGAAAGTAATTAAGTTAACTGTGGATCACCTTCGN
CCAAGGGACACGACTGGAGATTAAACGAAGTGTGGCTGCACCATCTGTCTTCATCTTCCC
GCCCATCTGATGAGCAGTTGAAATCTGGAAGTGCCTCTGTTGTGTGCCTGCTGAATAACT
TCTATCCCAGAGAGGCCAAAGTACCTGCCCC

Sequence 4263

TGACTCNCGGGTGGCGGCGAGTCGCGGGGAGAAGAGAGGCAGCAGCCANAGTCNAGTACC
CTGNCAGACATCCTGGACTAAGCTCTCTCAAAGAGGTGGCAGAGAAGNCAGCAGAGNCAT
GGGACCCCCCTCAGCCCCCTCCCTGCAGATTGCATGTCCCCTGGAAGGAGGTCTGTCTNC
AGCCTCACTTCTANCTTCTGGACCCACCCACACTGCCAAGCTCACTATTGAATCCNCGC
CGTTCAATGTGCGAGAGGGGAAGGAGGTTCTTCTNCTCGCCNCANCTGCCCCAGAATCG

Table 2

TATTGGTTACAGCTGGTACCTGCCCCG

Sequence 4264

ATGGACTCCCGGGTGC GGCGAGTCTTCGCTTCTTTGACCTCATAGGGTTTGTGAAGATGN
GGTTATGCTGACAAGAGGTGGTGAGGTTGACGGGGTTATCGATNCAGACAGCTCCTCTAG
AGGGATATGAAGCACCGCAGGNCTTTGAGTTAAGCTGTGNCTCGTAGTGTCTGCNAGCA
GTTTTGTTGATTTAACTGTTGAGGTTTAGGGCTAAGCCATAGTGGGGTATCTAATCCCAG
TTTGGGCTTACTATTGTGTGTGCAGNCCCGCTCCCTNCCCGGGCCGGCCGGNTCTAAA
CTAGTGGATCCCCCGGCTNCANGATTTCGATATCAACCTTATCGATCCGCCACCTCGAGGG
GGCCCGGTCCCAGCTTTTGTCCCCCTT

Sequence 4265

GGCCGCCCCGGCAGGTACNCGNGTGGGGAGCCTAGCTGTGCTGTGGGTCCAGGAGGCAN
GAACTCTGGGTGCCCTACCATGGCCTGGATCCCTCTACTTNTNCCCTCCTCACTCTCTG
CACAGGCTCTGAGGCCGCCATGAGCTGACACATGCCTCCCTCGGTGTCTGTGCCCCA
GGACGGACGGCCAGGATCTCCTGTTCTGGAGATGCACTGCCAAAGCAATATGCTTTTTGG
TGCCAGCAGAANCCAGGCCAGGCCCTGTGTTGGTGATATATAAAGACAGTGAGAGGCCT
TNAGGGATCCCTGAGCTGATTCTNTGGCTTCAGCTCGGGGACAACAAANCACGTTGACCA
TCANNTGGANNTCAGGCAGAAGACGAGGCT

Sequence 4266

TCCCNCCCCCGCGGNGGTTNNCGNCCGGGCGTGTCCATANTTTTTACGGACTAAATTGT
ATTCCCTNACATATGCTGAGGTCCTAACCCTCAATATGATTATATTTGGAGATAGGGCC
TTGAGGAAGGTATTAAGATCNAATGAGGTTATAAGGAAGGGCCCTATCGGGTAGGAATG
GTATCTGTCTTATAAGATGAGAGAGCTNGCTCTCTCTGTATGCATACAGAAGAAAGG
CCATGTGAGGATACAGCAAGAAGATGGCCATCTATAAGCCAGGAAGAGGCCTNACCAGAA
ACCAAACCTGATGGNATCTTGATCTTGGACTACTAGCCT

Sequence 4267

ACAGAAAGAAGTCTCATCTTCCTTTGACCACGTTATCAAGGAGACAACCTCGAGAGATGAT
CGCTCGTTCTGCTGCTACCCTCATCACATCCCTTCCATGTGATCACTCTGAGATCTAT
GGTACCTGCAGGCCCTCCTACACCTACCTCTCTCTGGACTTCTATTTGACCGCGATGATG
TGGCTCTGGAAGGCGTGAGCCACTTCTCCGCGAATTGGCCGAGGAGAAGCGCGAGGGCT
ACGAGCGTCTCCTGAAGATGCAAAACCAG

Sequence 4268

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTA CTCTGTCAACCATGTGGAGGCTGTTGATCT
CAATGAAACGGCTCAATTTGGTGGCATCAATGCTTTCAATGTCTTCGTCTCTAAATTCA
GTTGTTCAATTGCTACCAAGGCGAAAGAGGCAGATGGTGTCCCAAGTATGTTGTAGTGTG
TCAGAACCTCAGAATCAGTGCTGATCCCAATGACACGCCTGGGAATTTTGCACCATGC
TATGGAGTATGGGCACTGCTGGTATTTCTAAATCCTGGAAGAAGCCTATGACAGCCACCT
CAGTGGCAGCAATGAATTCCATGGCAGCTGGGACATCTGTGAGCCACGTGGGTTCTGGG
CAGCACCAGGACCATCTGAGGATTTCTCAACTTCTGCAGCAACTTCTGCAGCCAGCTCAC
ACGTGAGGAGAAATAAGAGGAACATGAACCTGGACGGGGC

Sequence 4269

TGGAGCTCCANCGCGGTGGCGGNCGNCCGGGCAGGTACCANCAATCAGGGAACTCCTATC
TGTTTTGAATGGATTACACCAGCCACAAGCCTGGAAAGATGGTGTCAATCTACAGTC
AGGCAGGATTCTCCTGTGGAGCCCTGGGAAGGGATCAGCGATCACTCTGGCATTATTGAT
GGTTCGCCCCANACTCCTGAACACTGACCATCCTCCTTGCCAATTAGACATCAGGCTCATG
AGGCACAAAGCTGTCTGGATTAACCCCCAGGATGTGCAGCAACAGCCGAGGACTTGCAA
TCTCAGGTGCCAGCAGCAGGGAACAGTGGGACCCATTTTGTGACAGATGCTGCCTCTCCC
TCAGCCCTTACCTTCGTGCCTNNGGGACTCCCTGGCAGAGACAACGTTGTCTGAGG

Sequence 4270

CCGGGCAGGTACCCTTGAAGATGGGAAAGGTGAGGGAAATANNNGGAAGCANGGTCAGA